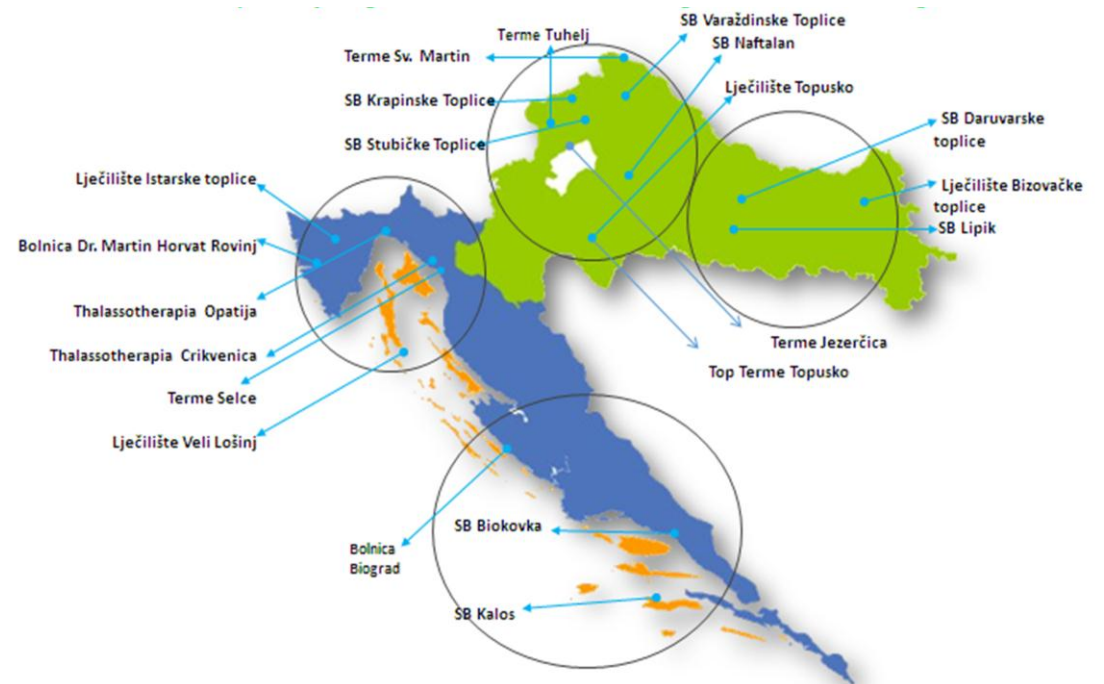


## CATALOGUE OF INVESTMENT PROJECTS IN HEALTH THERMAL TOURISM

health wellness  
medical tourism



### Thermal (SPA) destinations in Croatia



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April, 2017

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## Introduction

Health tourism has been one of the strongest trends in tourist travel in the last decade. This was driven by the people's awareness of the care for their own health and the increase in leisure time and income, as well as changes in the work and life of a modern person, the increase in chronic diseases, cardiovascular and malignant diseases, diabetes and chronic respiratory diseases.

Health tourism is a specific form of health services involving tourism, which uses diagnostic and therapeutic procedures, procedures for medical rehabilitation, natural healing factors, and the implementation of health programs with a multidisciplinary team with the aim of treatment, preservation and improvement of health and life quality. The main potential and support for the future development of health tourism in Croatia are high quality and professional employees, a diversity of natural resources, environmental quality, mineral water, sea, a moderate climate and healthy food. Health tourism in the Republic of Croatia is mainly conducted in thermae and special hospitals. According to the data collected directly from the special hospitals and health resorts, they have a total of 5,382 beds and employ 3,709 medical and non-medical staff. Special hospitals and health resorts have 2,260 beds contracted with the Croatian Institute of Health Insurance (HZZO). Through current activities, the Institute for Health Services in Tourism has identified development projects of health facilities – special hospitals and health resorts in the total amount of approximately 300 million euros – “Grozd Projekt” of health tourism. The “Grozd Projekt” of health tourism includes the following special hospitals and health resorts:

1. VARAŽDINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
2. LIPIK SPECIALIZED HOSPITAL FOR MEDICAL REHABILITATION
3. DARUVARSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
4. ISTARSKE TOPLICE HEALTH RESORT
5. BOKOVKA MAKARSKA SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
6. KRAPINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
7. NAFTALAN SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
8. VELI LOŠINJ HEALTH RESORT
9. THALASSOTHERAPIA OPATIJA SPECIAL HOSPITAL FOR MEDICAL REHABILITATION OF CARDIAC, PULMONARY AND RHEUMATIC DISEASES
10. KALOS SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
11. TOPUSKO HEALTH RESORT
12. CRIKVENICA THALASSOTHERAPIA
13. BIOGRAD NA MORU SPECIAL ORTHOPAEDIC HOSPITAL
14. STUBIČKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION
15. TOP THERMAE TOPUSKO
16. THERMAE TUHELJ
17. “PRIM. DR. MARTIN HORVAT” ORTHOPAEDIC AND REHABILITATION HOSPITAL, ROVINJ
18. THERMAE SELCE
19. BIZOVAČKE TOPLICE HEALTH RESORT
20. THERMAE JEZERČICA

## **VARAŽDINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION**

### • INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
894	406	334	322	160,788	35,062	5,308	730	33,337	1,725	7,276	87,621,685.00	21,782,625.00	Director: Phone: 042-630-416 ; Fax: 042-633-299 ; E-mail: <a href="mailto:ravnatelj@sbvzt.hr">ravnatelj@sbvzt.hr</a>  Others: Martina Đolonga, dipl. oec. Associate for projects, public relations and information Cell.: 099-218-5975 Phone: 042-630-399 Fax: 042-630-857 E-mail: <a href="mailto:martina.djolonga@sbvzt.hr">martina.djolonga@sbvzt.hr</a>
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		656		195,850		6,038		35,062		7,276	109,404,310.00		

The institution has the following number of rooms:

- Rooms intended for HZZO: 255 rooms: 60/1, 161/2, 30/3, 4/4
- Commercial rooms: 247 rooms: (92/1, 151/2, 4/APP)

- INFORMATION ON THE ACTIVITIES AND SPECIFICS OF THE OFFER

The institution is registered for the following activities: activities of hospitals and specialist conciliar health care in the field of physical medicine and rehabilitation, specialist conciliar treatment activities, non-medical activities on a smaller scale or usually performed together with hospital and special conciliar health care activities, scientific and educational activities, medical tourism services, business catering, tourism and trade.

The following health-preventive programs are offered: physical procedures (balneotherapy, hydrotherapy, paraffinotherapy, massages, cryo treatments, stabilization of joints or ligaments, muscle groups treatments, medical gymnastics, extension using an extension device, suspension exercises, cycling, kinesiotherapy, locomotor training, transfer exercises, walking exercises, breathing exercises, special techniques of physiotherapy).

A school is organized within the hospital, where children from all over Croatia, who are in rehabilitation at the Varaždinske Toplice Special Hospital for Medical Rehabilitation for any reason and cannot attend classes at their schools, have the option to attend organized lectures while staying at the hospital, which surely eases their return to their original schools.

In addition to the above, the Hospital also offers sport and recreational activities for private users: table tennis, swimming, Pilates, Nordic walking (with instructor), kinesiotherapy rooms, tennis, gymnastic tables (FIT FORM), pearl baths with essential oils, Green vacuum – vacuum massage (manual and with apparatus).

Medical tourism programs being offered are as follows: **medical wellness, physiotherapy studio, rheumatism program, VT weight loss program, big treatment, recovery and relaxation program, medically programmed vacation (MPV), spa treatment.**

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of specialists	Number of subspecialty fellows	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health workers (by occupations)	Number of non-medical staff
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	<b>Physical medicine and rehabilitation</b>	4 - of which 1 prof.dr.sc. (part-time temporary employee); 1 doc. prim.dr.sc.; 1 mr.sc.- resident in physical medicine and rehabilitation 1 prim. - neurology specialist	15	2 - of which 1 is subspecialized in rheumatology (part-time temporary employee)	15 - of which 13 residents in physical med. and rehab. 1 biochemistry specialist and 1 pharmacy specialist	36	104	19	87	11	46	5 - of which 2 psychologists; 1 defectologist; 1 social worker; 1 kinesiologist	327

NOTE:

1. The number of residents (column 4) does not show the residents included in column 3 and column 5. This number includes: 13 residents in phys. med. and rehab.; 1 neurology specialist and 1 radiology specialist
2. The number of bachelors of nursing (column 9) also includes the specialist nurses
3. The number of other health workers (column 12) includes: 2 speech therapists; 2 bachelors of radiology; 1 bachelor of laboratory diagnostics; 7 laboratory technicians; 1 pharmaceutical technician and 33 auxiliary health workers

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	THERMAE VARAŽDINSKE TOPLICE	REVISION, RECONSTRUCTION AND EQUIPPING	The renovation, reconstruction and equipping of the Minerva hotel complex at 3* or higher (the current capacity is 265 rooms) with an Olympic swimming pool, the renovation, reconstruction and equipping of the power plant, the reconstruction and equipping of the thermae facilities, Constantine home and Lovrina baths with positioning as a 4* spa hotel.	404,277,584.53	54,454,210.00
<b>Investment 2</b>	CONSTRUCTION OF THE JUPITER RESORT HOTEL AND CONNECTING ROAD	DESIGN, WORKS AND EQUIPMENT	The construction and equipping of a new resort hotel with a capacity of 480 beds at the level 4-5*, with an area of 30,000 m2 and the construction of the connecting road of the south and west Minerva parking lot for the new hotel	332,194,710.38	44,745,000.00
<b>Investment 3</b>	CONSTRUCTION AND EQUIPPING OF THE SPINAL CENTRE	DESIGN, WORKS AND EQUIPMENT	Construction and equipping of the new hospital wing with a spinal centre (with design).	84,642,610.85	11,400,945.00
<b>Investment 4</b>	DIGITAL MUSEUM REGION	DESIGN, WORKS AND EQUIPMENT	The project is jointly designed and planned at 9 locations in 6 counties of NW Croatia. Establishing the Aqua Iasae digital museum is planned, which will contain a museum and multimedia presentation on the cultural and natural attractions with the main backbone of archaeological findings and special thermal water. Investments: upgrade of the facility entrance, "Time machine" (Citizens' baths), tours of the Roman settlements (archaeological park), upgrade of the space in the city park (Munjara), upgrade of the portion of the Old town building.	9,280,218.75	1,250,000.00



■ VARAŽDINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION





## **LIPIK SPECIALIZED HOSPITAL FOR MEDICAL REHABILITATION**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
284	154	104	82	45,016	21,560	2,094	128	21,157	403	2,353	26,652,056	6,121,415	Director: Darko Kelemen Phone: 034/440-718, Fax: 034/440-777, E-mail: info@bolnica-lipik.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		186		66,576		2,222		21,560		2,353	32,773,471		Other staff: Anita Tudović, bacc. oec., Phone: 034/440-704 Fax: 034/440-770 E-mail: anita@bolnica-lipik.hr

The institution has the following number of rooms:

- Number of rooms intended for HZZO: 58 rooms (130 beds in total): 53 rooms 2B, 1 room 4B, 4 rooms 5B,
- Number of commercial rooms: 84 rooms (154 beds in total): 62 rooms 2B, 14 rooms 1B, 8 apartments 2B with auxiliary bed

- INFORMATION ON THE ACTIVITIES AND SPECIFICITY OF THE OFFER

The activities of the institution include the following: Hospital activities: physical medicine and rehabilitation, specialist consultation activities (physical medicine and rehabilitation, neurology, rheumatology, general internal medicine, unit for radiology activities, unit for laboratory and medical-laboratory diagnostics, unit for the supply of hospitals with medicines and medical products) and the provision of health services in tourism in accordance with specific regulations.

Specialized in the rehabilitation of painful spine conditions and radiculopathy, the rehabilitation of neurological conditions and diseases, the rehabilitation of inflammatory rheumatic diseases, post-operative rehabilitation, degenerative diseases of the spine and joints, overuse syndromes, urination disorders.

Offer specifics:

**Bobath** – an oriented approach to solving the problems of people with muscle tension disabilities, movement and function caused by damage to the central nervous system, **K-tape** – a method of attaching special tapes, which, depending on the problem, improve muscle function, reduce pain, improve body fluid circulation and support joint function, **McKenzie method** – includes diagnostic and therapeutic techniques that are used for mechanically induced functional disorders of the cervical, thoracic and lumbar spine, **PIR** – a very effective method used for muscle relaxation and psychotherapy techniques in manual medicine, used to prepare the muscles before mobilization/manipulation, **Mulligan concept** – a concept based on manual mobilizations, which are combined with active movement and has been applied effectively on the spine and in the treatment of peripheral joints, **PNF concept** – based on the strengthening of the patient's abilities, encourages or facilitates the work of muscles, reduces pain or helps re-learn movements, for example after a stroke or brain injury.

**Logopedotherapy** – departments conduct logopedotherapy of adults with difficulties in speech and language functioning as part of neuro-rehabilitation (after stroke conditions, CNS traumas and other neurological diseases), **work therapy** – process includes an assessment of the damage impact of the environment and the performance of daily activities (self-care, productivity, leisure) and the use of purposeful activities such as the therapeutic medium in order to increase the independence of people and improve the quality of life, **therapeutic exercise, electrotherapy procedure, Inter X** – a medical device for interactive neurostimulation, which uses electrical stimulation to relieve acute and chronic pain,

**shock wave therapy** – a modern and effective method of treatment in which high energy sound waves are applied to painful areas where they speed up the process of natural tissue healing, **hydrotherapy and thermal procedures, underwater massage with mineral water, therapeutic exercises in a pool with mineral water, pearl baths in a marble tub, Feldenkrais** – examination of the possibility of changing habits and the better utilization of a persons' capacity, **electrical stimulation of the pelvic floor muscles, extension device, LEG TENSOR, closed pool** – pool water temperature is about 32-33 °C. In addition, the offer also includes the following: **mobilization techniques for joints and soft tissues, TENS, DDS, LASER, UZV, IF, galvanisation, electrical muscle stimulation, paraffinotherapy, solux lamp, bioptron lamp, cryotherapy, MOTOMED, electrical stimulation of the bladder according to prof. Jušić, Biofeedback therapy.**

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of specialists	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of non-medical staff
1.	Physical medicine and rehabilitation	2	6	1	19	22	8	35	2+2	2	82
2.	Internal medicine (general internal medicine)		1								
3.	Neurology	2									
	<b>TOTAL</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>19</b>	<b>22</b>	<b>8</b>	<b>35</b>	<b>4</b>	<b>2</b>	<b>82</b>

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	RECONSTRUCTION AND FURBISHING OF THE "FONTANA" HOTEL FACILITY	WORKS AND EQUIPMENT	Reconstruction and furbishing of the „Fontana“ hotel facility: includes the renovation of existing and the construction of new units including the swimming pool, new facilities and the improvement of building energy performance. The reconstruction would increase the accommodation quality to 3/4*, install new facilities (reception, dining room, fitness, sauna, gym, space for physical therapies, pool) and achieve energy efficiency grade B. The room number would be increased from 59 to 87, which would allow the reception of one-day or weekend guests, as well as the separation of medical tourists and mobile HZZO users from patients that have difficulty moving and from immobile users. The preliminary design was drafted in September 2015. The gross area of the facility is 6,678.21 m2.	52,711,642.50	7,100,000
<b>Investment 2</b>	ADAPTATION AND FURBISHING OF "KURHOTEL"	DESIGN, WORKS AND EQUIPMENT	Adaptation and furbishing of the "Kurhotel" hospital building, turning it into a ward with 70 beds and all the accompanying facilities and rehabilitation areas, with the implementation of energy efficiency measures. The areas intended for more severe cases treated at "Lipik" are furbished according to modern and prescribed standards. Area: 2,400 m <sup>2</sup> . The reconstruction includes works relating to architecture, rehabilitation of the structure and electrical works, works on low voltage, lightning arresters and power units, heating, cooling and ventilation, water supply and sewage, and equipping of the interior.	19,302,855.00	2,600,000
<b>Investment 3</b>	RECONSTRUCTION AND FURBISHING OF "NARODNE KUPKE"	WORKS AND EQUIPMENT	Reconstruction of "Narodne kupke" with a communication network: rehabilitation-therapeutic facilities for the purpose of an individual and customized approach to therapy (pool, exercise room) and courtyard.	5,790,856.50	780,000
<b>Investment 4</b>	ADAPTATION AND FURBISHING OF THE "KAMENE KUPKE" HOSPITAL RESTAURANT	WORKS AND EQUIPMENT	Adaptation and furbishing of the hospital restaurant with the implementation of energy efficiency measures, includes the replacement of electrical and gas installations, the replacement of floors, windows and doors, the reconstruction of the facade, annexing of the open terrace, adaptation of the buffet area.	3,712,087.50	500,000

<b>Investment 5</b>	REVITALIZATION OF THE HISTORICALLY PROTECTED "LJEČILIŠNI PERIVOJ LIPIK"	WORKS AND EQUIPMENT	The revitalization includes electrification, the installation of video surveillance, replacement of the trees, ornamentals, the decoration of pathways, the partial tiling of the pathways with a rainwater drainage system, The installation of edges between pathways and green areas, terrain levelling, the renewal of grass, flower beds, ornaments and figures, irrigation system. Restoration of the accompanying historical facilities - two wells, a fountain and two weather stations. Covered area: 3.4 ha	6,310,548.75	850,000
<b>Investment 6</b>	DRILLING OF A NEW GEOTHERMAL SPRING	WORKS	Drilling the new geothermal spring ensures a thermal water supply for therapeutic treatments and hospital heating. Currently, there is only one active borehole for supplying thermal mineral water and if it gets polluted, damaged or otherwise disabled or i.e. in the event of a reduced capacity of the borehole, SBMR Lipik would be without its most significant resource for treatments and healthcare. The new borehole would ensure the uninterrupted work of SBMR Lipik. The drilling includes works pertaining to architecture, mechanical installations, electrical installations, mining borehole design, and the thermal water return plant.	1,113,626.25	150,000
<b>Investment 7</b>	REMEDIATION OF "MRAMORNE KUPKE" (Marble baths)	WORKS	Remediation of the damaged wall (concrete) structure (702.00 m <sup>2</sup> ). The remediation of the damage would remove the cracks in the walls, terrazzo floor and painted ornament ceiling. The building would be used for individual hydrotherapy treatments for users of healthcare services in marble baths and underwater massage units. The lobby would be used as a concert hall, while part of it would be used as a reception and waiting room.	556,813.13	75,000
<b>Investment 8</b>	ADAPTATION OF THE RECEPTION AREA AND THE CENTRAL ORDERING UNIT	DESIGN, WORKS AND EQUIPMENT	The modernization, equipping and integration of the reception area and the central ordering unit	794,386.73	107,000
<b>Investment 9</b>	REPLACEMENT OF WINDOWS AND DOORS IN THE MANAGEMENT BUILDING "VILA NENADOVIĆ"	DESIGN, WORKS AND EQUIPMENT	The replacement of windows and doors in the building used as office space for administration and management of SBMR Lipik, with a gross area of 650m <sup>2</sup> .	987,415	133,000

Note: All investments are parts (phases) of an overall project entitled "EXCELLENCE CENTRE FOR THE REHABILITATION OF NEUROLOGICAL CONDITIONS AND DISEASES (MULTIPLE SCLEROSIS AND STROKES)", and can be implemented separately, depending on the funding opportunities. Preliminary or final designs are created for all investments except for investment 8.

■ LIPIK SPECIALIZED HOSPITAL FOR MEDICAL REHABILITATION



## **DARUVARSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
302	162	84	147	43,017	41,772	7,858	1,113	38,208	3,564	2,230	21,884,235.00	21,539,774.00	Director: Marcel Medak, univ.spec.oec. Phone: 043/623-601, Cell.: 099/782-3347 E-mail: ravnatelj@daruvarske-toplice.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		231		84,789		8,971		41,772		2,230	43,424,009.00		

The institution has the following number of rooms:

- Number of rooms intended for HZZO: 69 rooms (140 beds in total): 66 rooms 2B, 3 family rooms
- Number of commercial rooms: 100 rooms (162 beds in total): 42 rooms 1B, 52 rooms 2B, 2 family rooms, 4 apartments 2B



- INFORMATION ON THE ACTIVITIES AND SPECIFICS OF THE OFFER

Written information on the thermal water in today's Daruvar area date back to the 2nd century at the time of the Roman Empire. The "**Daruvarske Toplice**" health resort complex is located in the centre of Daruvar and covers the southern part of the historic health resort park from the 18th century with associating protected cultural properties consisting of bath buildings and springs where an urban park is built with equipment such as: Antunova kupka (Antun's bath), Villa Arcadia, the Terrace restaurant, Švicarska villa (Swiss villa), Marijina kupka (Maria's bath), the music pavilion, Centralna blatna kupka (Central mud bath) and the preserved part of Ivanova kupka (Ivan's bath). Springs: Antunov izvor (Antun's well), Ivanovo vrelo (Ivan's spring), Marijino vrelo (Maria's spring) and the spring in front of the Terrace restaurant. Tourism has been developed thanks to the preserved environment, mild climate and the optimal combination of natural factors and the latest, modern methods of treatment of rheumatic diseases using natural healing factors – thermal waters and mineral mud. The Daruvarske Toplice institution continuously invests in the **protection of cultural property, as well as the energy efficiency of the entire complex**. The central accommodation facility of Daruvarske Toplice, the "Termal" facility, became the first resort hotel in Croatia to be awarded **3 stars** and the SPA label. We follow the **ISO 9001:2008** quality management system and the **HACCP** system for the preparation and serving of food. Daruvarske Toplice is a proud member of the European Historic Thermal Towns Association (EHTTA). The **EHTTA** was founded in 2009 as a network of European towns that possess extremely valuable historical heritage, as well as the healing thermal water. Daruvarske Toplice is in the company of renowned European destinations for medical tourism, such as Vichy, Evian, Baden-Baden and Karlovy Vary.

Treatments are organized for the following medical indications: **vertebral and vertebrogenic syndrome, inflammatory rheumatic diseases, degenerative diseases of the spine and joints, post-operative rehabilitation, neurological rehabilitation, rehabilitation of children with developmental disorders, gynaecological rehabilitation, overuse injuries**. **Physical therapy** methods being offered are as follows: **HILT therapy** – the only therapeutic method that allows the safe treatment of all inflammatory conditions located deep inside, causing pain reduction from the first application, along with mobility recovery, **Inter X** – the extraordinary performance of devices for pain reduction through continued application of amplitude and current density in relation to obtained biofeedback from the patient's skin, which closes the circuit with the electrodes, **Balance platform ("Sigma")** – for balance exercises, coordination and proprioceptive training. Treatment using natural factors such as **hydrotherapy** and **fango wraps**. Specific forms of kinesiotherapy are also offered: **PNF (prioceptive neuromuscular facilitation)** – a technique in which the therapist uses specific three-dimensional motions on the painful area, thus receiving a movement that was blocked and manifested as the loss of neurological function, **Bobath treatment** (a therapeutic approach oriented towards resolving issues through assessment and treatment of functioning disorders, movement disorders and postural control after CNS lesions), **McKenzie treatment** (therapeutic spine treatments using the McKenzie concept – testing, assessment, mobilization or manipulation with proper posture education). Some of the medical programs that are offered are the "**Radost života**" (**Joy of life**) **assistance programs for infertility treatment**. With the assistance of healing factors (thermal water and mineral curative mud – fango) and physical processes, treatments of chronic inflammation of the female genital organs are successfully carried out, as well as primary and secondary sterility, postoperative infiltrates after gynaecological surgery, hormonal disorders, ovarian dysfunction, and good results are achieved in the treatment of stress incontinence through electrical stimulation of the pelvic muscles by interferential currents and medical gymnastics.

Specifics of the offer include the following: **Medical natural factors** (the basic natural healing factors of the special hospital are the thermal water and mineral mud (fango)), **the rehabilitation and diagnostics of athletes** (individual treatment services for injured athletes (functional isokinetic diagnostics – Biodex system), under the expert supervision of sports medicine doctors and kinesiologists), **health treatments for athletes** (individual health treatment for athletes), **preparation of athletes, nutrition for top athletes, therapeutic wellness programs, face and body care treatments, anti-stress health program, weight loss programs, wellness and spa, recreation, team-building, excursions, paintball, swimming pools and other recreational facilities**.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health workers (by occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	7	2	26	22	4	14	7	11	2 infectologist and head of laboratory	138

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
Investment 1	ANTUNOVE KUPKE (ANTUN'S BATHS)	DESIGN, WORKS AND EQUIPMENT	Adaptation of Antunove kupke (Antun's baths). The wellness facilities as a whole, together with the offer of the Central mud baths and the health resort porch.	7,424,175.00	1,000,000.00
Investment 2	ARCADIA and the CONSTRUCTION OF IVANOV DOM (IVAN'S HOME)	DESIGN, WORKS AND EQUIPMENT	Adaptation of ARCADIA and the construction of IVANOV DOM (Ivan's home) Expansion of the accommodation capacity and the increase of the accommodation quality to 4*.	33,408,787.50	4,500,000.00
Investment 3	CONSTRUCTION OF A NEW HOSPITAL PAVILION	DESIGN, WORKS AND EQUIPMENT	The architectural solution for building the new hospital infirmary is the main part of the strategic plan for the development of Daruvarske toplice. The design will define the separation of the services provided to HZZO users and to other commercial users.	40,832,962.50	5,500,000.00

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 4</b>	REVITALIZATION OF JULIJEV PARK (JULIJE'S PARK) AND ADAPTATION OF ŠVICARSKA VILA (SWISS VILLA)	DESIGN, WORKS AND EQUIPMENT	Reconstruction The oldest healing spa park – touristic and holistic application, 4* boutique apartment hotel.	11,136,262.50	1,500,000.00
<b>Investment 5</b>	ADAPTATION OF THE CENTRAL MUD BATH	DESIGN, WORKS AND EQUIPMENT	An elite wellness centre and centre for treatment of infertility using natural factors.	11,136,262.50	1,500,000.00
<b>Investment 6</b>	ADAPTATION OF THE TERRACE RESTAURANT	DESIGN, WORKS AND EQUIPMENT	The replacement of the outer windows and doors in the Terrace restaurant and rooms, improvement of ventilation and the installation of LED lights. Since the said facility has a G class energy certificate, which is not good, the existing windows and doors are in poor condition and ageing, the ventilation is also poor and it should be fitted with LED lights.	1,500,000.00	202.042.65
<b>Investment 7</b>	ADAPTATION AND RECONSTRUCTION OF THE POOL IN THE "TERMAL" HOTEL	DESIGN, WORKS AND EQUIPMENT	Reconstruction of the existing pool space with accompanying areas.	3,500,000.00	471,432.85
<b>Investment 8</b>	FURBISHING OF THE "TERMAL" FACILITY	DESIGN, WORKS AND EQUIPMENT	The introduction of a new ventilation and air-conditioning system in the lobby and in the "Termal" therapeutic and recreational pool.	3,500,000.00	471,432.82
<b>Investment 9</b>	RECONSTRUCTING AND BUILDING EXTENSION D Extension of the 4th floor of the Termal hotel	DESIGN, WORKS AND EQUIPMENT	Expansion of the accommodation capacity and the refurbishing of one part of the accommodation capacity for disabled persons.	3,300,000.00	444,493.83



- DARUVARSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION





## ISTARSKE TOPLICE HEALTH RESORT

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
248	248	12	39	0	52,998	7,877	7,948	33,104	19,894	0	1,084,728.00	14,621,094.00	Director: Vedran Velenik, Phone: 052 / 603-501; 052/603-502; E-mail: vedran@istarske-toplice.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		51		52,998		15,825		52,998		0	HRK 15,705,822.00		

The institution has the following number of rooms:

- Number of commercial rooms: 148 rooms (248 beds in total): 48 rooms 1B, 100 rooms 2B

- INFORMATION ON THE ACTIVITIES AND SPECIFICS OF THE OFFER

The Istarske Toplice Health Resort is registered for the following activities: preventive healthcare, specialist, consulting and hospital rehabilitation through the use of natural healing resources (water and mud), preventive and previous examinations, functional diagnostics and therapy, providing medicated therapy according to indications, the prevention of disability and the rehabilitation of disabled persons, balneophysical therapy, the preparation of food and the provision of nutrition services, the preparation and serving of drinks and the provision of accommodation services.

Offer specifics: **excursions** – Istarske Toplice organizes local excursions with tastings of Istrian wine, brandy and truffle products, **sport** - the sports and recreational offer is also very rich: mini golf, table tennis, handball, soccer, bocce, bike riding or hiking in untouched nature, **entertainment** – entertainment with live music and fun evenings is often completed with animator-led games, **Kapela Majke Božje od zdravlja/Chapel of our Lady of Health** – the Chapel of our Lady of Health is located within Istarske Toplice. Here our guests can find spiritual fulfilment, while priests in recovery are able to hold Mass, **seminar organization** – Istarske Toplice have everything needed for the organization of seminars and other group meetings in three different conference rooms – for groups of 50, 100 and 150 people, **surrounding area** – besides the healing springs, the mild climate and untouched nature of this area offer particular benefits as well, **gastronomy** – the area around Istarske Toplice is especially known for its white truffles, **natural healing water** – the water from Istarske Toplice is sulphurous, thermal, with natural radiation and significant contents of sodium, calcium, chlorine and other minerals, **Fango – healing mud** – prepared with long-term maturing in a particular manner using thermal and mineral water and earth from the source of the river Mirna, **inhalation** – the curative effect of sulphur vapours on the respiratory system has been known from long ago, but inhaling sulphur fumes is actually part of the origins of inhalation therapy. It has been scientifically and practically proven that the unique water composition helps in the treatment of: **chronic rheumatic diseases, degenerative diseases of the locomotive system, dermatology diseases (psoriasis, various dermatosis), upper respiratory system diseases (sinusitis, laryngitis), gynaecological diseases (chronic inflammatory processes and secondary sterility), post-operative spine conditions, bones, joints.**

- INFORMATION ON EMPLOYEES

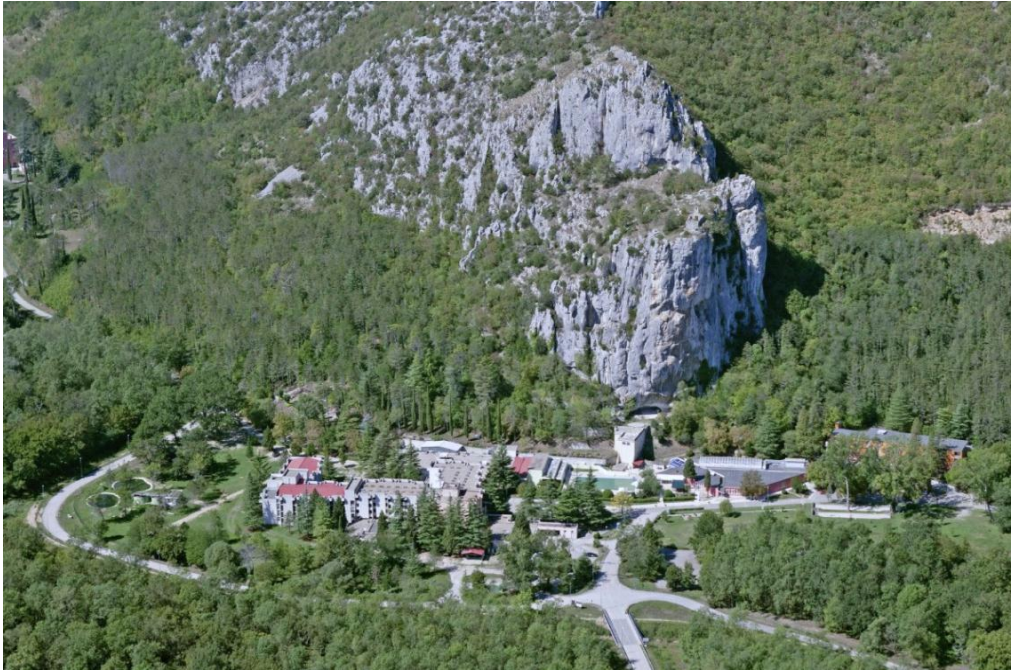
No.	ACTIVITY	Number of specialists	Number of bachelor physiotherapists and physiotherapy assistants	Number of medical nurses and technicians	Number of non-medical staff
1.	Physical medicine and rehabilitation	1	7	1	39

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	ENTRANCE AREA ADAPTATION	RECONSTRUCTION AND FURBISHING	Adaptation of the entrance hall, reception and therapy connection; entrance redesign with more light.	3,712,087.50	500,000.00
<b>Investment 2</b>	ADAPTATION OF PART OF THE ACCOMMODATION	RECONSTRUCTION AND FURBISHING	Adaptation of the accommodation – 113 rooms to be transformed into 40 luxurious apartments for persons above the age of 55 over a longer period ( <i>life care model</i> ).	22,942,338.65	3,011,968.09
<b>Investment 3</b>	CONSTRUCTION OF THE MULTIPURPOSE ARENA AND SPORTS FACILITIES	DESIGN, WORKS AND EQUIPMENT	Construction of a multi-purpose arena for sports and seminars, tennis courts, jogging track, soccer field and playground for children.	7,424,175.00	1,000,000.00
<b>Investment 4</b>	PROTECTION OF THERMAL SPRINGS	DESIGN, WORKS AND EQUIPMENT	Excavation of the existing pond and converting it into a pool.	37,120,875.00	5,000,000.00
<b>Investment 5</b>	HEALING MUD	DESIGN, WORKS AND EQUIPMENT	Fango – healing mud, building a packaging station.	2,227,252.50	300,000.00
<b>Investment 6</b>	ENTERTAINMENT CENTRE	DESIGN, WORKS AND EQUIPMENT	Opening an entertainment centre under Gorostas cliff.	1,856,043.75	250,000.00
<b>Investment 7</b>	NEW THERAPY AND DIAGNOSTIC METHODS	EQUIPMENT	Purchasing diagnostics devices.	7,424,175.00	1,000,000.00



■ ISTARSKÉ TOPLICE HEALTH RESORT





## **BIOKOVKA SPECIAL HOSPITAL FOR MEDICAL REHABILITATION MAKARSKA**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
489	404	45	110	44,820	55,931	2,121	7,371	9,277	46,654	3,331	9,008,264.00	27,486,347.00	Phone: 021/602-299; Fax: 021/612-493; E-mail: vice.barbir@outlook.com
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		155		100,751		9,492		55,931		3,331	36,494,611.00		

The institution has the following number of rooms:

- Number of rooms intended for HZZO: 43 rooms: 43 rooms 2B
- Number of commercial rooms: 208 rooms: 7 rooms 1B, 201 rooms 2B

- INFORMATION ON THE ACTIVITIES AND SPECIFICS OF THE OFFER

“Biokovka” is an institution for the rehabilitation of: **rheumatology patients** – inflammatory and degenerative rheumatism, osteoporosis; **trauma patients** – multiple trauma patients, conditions following contusions, fractures and the like; **orthopaedic patients** – conditions after ort. surgery – PEP, TEP, osteosynthesis, etc.; **neurological patients** – after CVI conditions, injury and inflammation of the peripheral nerves, compression sy, painful sy of the spine, etc.; **neurosurgical patients** – conditions after disc herniation in cervical surgery, thoracic and LS segment, neurological deficit as the result of pathological surgery on CNS; somewhat less frequently **cardiovascular patients** – after heart attack conditions, myocardial, coronary artery bypass and the like. The institution also offers **diagnostic services**: ultrasound diagnostics of the musculoskeletal system and isokinetic dynamometer (dg and th aid). The institution also carries out the following activities: healthcare, specialist and consulting treatment, and treatment in outpatients at hospital’s clinics.

The following are available: **two seawater pools: therapeutic pool with temperature up to 36°C, sports pool with temperature up to 26°C, a modern fitness centre, sauna, medical rehabilitation services.**

The following health programs are being offered: **Medical programmed active vacation** – physiatrist examinations, 3 therapies per day as ordered by the doctor, classic manual massage partial 1 x week, counselling with a nutritionist, drafting an exercise program under the professional supervision of the kinesiologist, the use of fitness-gym services, swimming in the pool with heated sea water, an organized walk along the coast + breathing exercises, a fast-paced walk through nature by the sea + stretching on the beach; **Anti-stress health program PLUS** – doctor’s examination, elements of individual or group Art psychotherapy, counselling with a nutritionist, drafting an exercise program under the professional supervision of a kinesiologist, relaxation or aroma massage, hydro massage – whirlpool bath, sauna, use of the fitness gym, swimming in the pool with heated sea water, an organized walk along the coast + breathing exercises, a fast-paced walk through nature by the sea + stretching on the beach.

The following health tourism programs are being offered:

**Therapeutic week** – a classic medical program for people with health problems, which includes medical examinations and treatments according to the guest’s health status, **Anti-stress week** – a program intended for people with stressful jobs and including a medical examination with diagnostic health control, manual massage and exercises in the sea water pool, **Relaxing week** – a program intended for everyone wanting light relaxation, including manual and underwater massages, and exercise in the warm sea water pool, **Fit-week** – the program starts with a test of aerobic capabilities using the Biketerrace ergometer “Technogym”, and the guest can select the program for muscle mass increase, muscle mass firming or the elimination of muscle mass, **Healthy living program** – the program includes a medical examination, laboratory tests, elements of individual art psychotherapy, counselling with a nutritionist and creating a personalized menu, drafting an exercise program under the professional supervision of a kinesiologist, Fisio plate vibration training sessions, lymph draining, hydro massage – whirlpool baths, sauna and swimming in the heated sea water pool.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of non-medical staff
1.	Physical medicine and rehabilitation	5	29	9	1	4	1	1	162

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
Investment 1	SPECIAL HOSPITAL DEVELOPMENT PROJECT – “BIOKOVKA” MAKARSKA	RECONSTRUCTION, CONSTRUCTION, EQUIPPING	Infrastructural works on the construction and refurbishing of the annex with an underground parking lot, technical facilities, medical and rehabilitation and wellness facilities, a multifunctional hall, a conference hall and an open pool on the west side of the existing complex. Reconstruction of dilatation building A for the purpose of developing additional health facilities and improving the space functionality. Reconstruction, adaptation and modification of the existing medical rehabilitation facilities (including fitness, wet-dry paths, stairs, dressing rooms and toilets, etc.). Infrastructural works on the building and facilities in terms of increasing energy efficiency. Adaptation of the entire space of the institution for use by persons with disabilities, the elderly, disabled persons and children.	187,908,379.00	25,310,338.05

- „BIOKOVKA“, SPECIAL HOSPITAL FOR MEDICAL REHABILITATION, MAKARSKA



## KRAPINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
580	123	479	266	139,522	26,565	1,517	6	25,848	717	6,251	98,212,890.00	22,045,511.00	Phone: 049-383-100, Fax: 049-232-873, E-mail: <a href="mailto:info@sbkt.hr">info@sbkt.hr</a>
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		745		166,087		1,523		26,565		6,251	120,258,401.00		Vladimir Biller, bacc. oec. Phone: 049/383- 348 E-mail: <a href="mailto:vladimir.biller@sbkt.hr">vladimir.biller@sbkt.hr</a>

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 183 rooms in total (457 beds): 17 rooms 1B, 70 rooms 2B, 88 rooms 3B, 6 rooms 4B, 2 rooms 6B
- Total number of commercial rooms: 68 rooms in total (123 beds): 13 rooms 1B, 55 rooms 2B

- INFORMATION ON THE ACTIVITIES AND SPECIFICS OF THE OFFER

Krapinske Toplice Special Hospital for Medical Rehabilitation is a modern hospital for the rehabilitation of patients with cardiac, neurological, rheumatic, orthopaedic diseases and the rehabilitation of children. In addition to the rehabilitation area, the Hospital also has a Department for internal medicine and an acute neurological department, as well as an intensive care unit.

The hospital itself was built on a thermal mineral water spring with a temperature of 39-41°C, characterized by its calcium, magnesium and hydrogen carbonate content. The hospital has four pools, one of which is Jakob's pool, which was built on the thermal spring and is among the few examples of such properties in the world.

The activities of the institution include the following: providing polyclinic and specialist services from the domain of Hospital's activities, supplying medications for the hospital through the hospital's pharmacy, transporting patients, and hotel and hospitality activities accompanying the health tourism services.

The medical programs are based on the usage of natural healing properties (healing thermo mineral water and healing mud – fango), along with all other modern physical medicine and rehabilitation procedures. Preventive and recreational programs are conducted in addition to medical rehabilitation, as well as health check-ups. The hospital also offers all the medical diagnostics (radiology, laboratory, cardiac and neurological and biomechanical isokinetic diagnostics and rehabilitation) that are needed for treatment and follow-up results, while patients are attended by a team of experienced doctors, nurses, physical therapists, speech therapists and other experts.

In addition to the above, the institution also provides treatment and rehabilitation for: the consequences of head injuries, brain injuries and other neurological diseases, heart patients with stable angina, heart attack and following heart surgery, all types of post-traumatic conditions of the locomotor system, following orthopaedic surgeries, degenerative conditions, rheumatism, diabetes with neurological and circulatory complications, patients with peripheral circulatory problems.

As far as the therapies are concerned, the institution uses the following: **Hydrotherapy** – hydrokinesitherapy applied according to the patient's referral diagnosis. The program covers patients with neurological, orthopaedic, traumatic, rheumatic and cardiovascular diseases; **Electrotherapy** – uses state-of-the-art equipment with medical verification. Therapeutic procedures are being used such as specific electro stimulation, ultrasound therapy, pain therapy, thermal therapy, phototherapy and laser therapy; **Kinesiotherapy** – there are 14 gymnasiums, well equipped with aids used for kinesiotherapeutic procedures for patients with specific diagnoses, such as: neurodevelopment kinesiotherapy, orthopaedic kinesiotherapy, traumatology kinesiotherapy, neurological kinesiotherapy, rheumatic kinesiotherapy, cardiovascular kinesiotherapy. For cardiology patients, there is an exercise court in nature and walking paths. One should also mention the well- and professionally-educated physiotherapists that choose and implement the kinesiotherapy program.

**Work therapy** as part of a complex program of activities, is carried out in a specific, dedicated space to enable the patient to return to his/her daily activities sooner.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of specialists	Number of subspecialty fellows	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health workers (by occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	1	17		6	63	62	8	32	11	3	3	
2.	Internal medicine (general internal medicine)	1	1	1	1			7	20				
3.	Pulmonology										2		
4.	Endocrinology and diabetology				1								
5.	Cardiology	3	1	2	3								
6.	Paediatrics		1			6	11	7	10		4	2	
7.	Radiology	1	2										
8.	Dermatology and Venereology								1		7		
9.	Anaesthesiology, reanimatology and intensive medicine	1	1										
10.	Orthopaedics (orthopaedics and traumatology)	1						7	6				
11.	Neurology	2				6	12	8	21				
12.	Cardiology				1			19	56	12	8	1	
13.	Otorhinolaryngology												
14.	Laboratory immunology	1	1								13		
15.	General surgery				1								
16.	Hospital pharmacy		1								3		
	<b>TOTAL</b>	<b>11</b>	<b>25</b>	<b>3</b>	<b>13</b>	<b>75</b>	<b>85</b>	<b>56</b>	<b>146</b>	<b>23</b>	<b>40</b>	<b>6</b>	<b>253</b>

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	RECONSTRUCTION, UPGRADE AND FACILITY EQUIPPING PROJECT FOR THE KRAPINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION AND THE CONSTRUCTION OF A WASTE INCINERATION PLANT	DESIGN, RECONSTRUCTION, CONSTRUCTION AND FURBISHING	Reconstruction of the existing facilities with an emphasis on improving the energy efficiency and functionality of the space, refurbishment and environmental protection.	45,000,000.00	6,061,279.54
<b>Investment 2</b>	CONSTRUCTION OF A NEW HOSPITAL FACILITY AND GARAGE	DESIGN, CONSTRUCTION AND FURBISHING	Construction and refurbishing of the new hospital facility with additional accommodation capacity for medical rehabilitation, which would enrich the existing offer, improve the quality of health services and better utilise the potential of health/medical tourism, as well as a garage that would free up the surface area for the arrangement of a park, exercise area and space for relaxation and entertainment.	65,000,000.00	8,755,181.55



- KRAPINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION



## NAFTALAN SPECIAL HOSPITAL FOR MEDICAL REHABILITATION

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
137	77	59	45	28,136	9,247	608	186	5,274	3,973	8,809	24,306,117	4,263,151	Milica Brik, dipl. oec., deputy director E-mail: milica.birk@naftalan.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		104		37,383		794		9,247		8,809	28,569,268		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 24 rooms in total (60 beds): 12 rooms 2B, 12 rooms 3B
- Total number of commercial rooms: 39 rooms in total (77 beds): 6 rooms 1B, 26 rooms 2B, 5 rooms 3B, 2 apartments for 2 persons

- **INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS**

The institution is registered for the following activities: hospital healthcare, which includes the following: physical medicine and rehabilitation, rheumatology and dermatovenerology, and specialist and consulting healthcare, which includes the activities: physical medicine and rehabilitation, dermatology and venereology and health services in tourism. Treatment is offered for the following medical indications: **Skin diseases** (psoriasis, atopic dermatitis, contact dermatitis, scleroderma, conditions following burns), **musculoskeletal system diseases** (Inflammatory rheumatic diseases (rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis), degenerative affection of the joints and spine, rheumatism), **vascular diseases** (Burger's disease, Mb. Raynaud), **central nervous and peripheral nervous system diseases** (polyneuropathy, paresis, radiculopathy), **post-traumatic and post-operative rehabilitation of the locomotor system, conditions following burns.**

Natural healing factors being offered:

- **Naphthalan** - Naphthalan, a petroleum mineral oil, can be labelled as a natural therapeutic factor. Natural therapeutic factors have been used since ancient times in health and disease prevention, as well as in the treatment of existing illnesses and injuries. Naphthalan, which is used at Naftalan, is acquired through the distillation of naphthenic oil. This is a heavy-weight oil and falls into the group of so-called "heavy" oils. It contains some light fractions, such as petrol and kerosene, but also contains a high percentage of naphthenic hydrocarbons, such as steranes, compounds that are similar to steroid hormones and provitamine D. It is the sterane that is responsible for the therapeutic effect of naphthalan. To this day, there are only two known deposits of naphthenic oil in the world: in Azerbaijan and here in Ivanić-Grad. The therapeutic effect of naphthalan is anti-inflammatory, vasodilatory, desensitizing, with an effect on the metabolism of protein and electrolytes, hypocoagulatory action and an effect on the growth and development of skin cells.
- **Thermal mineral water** - Thermal mineral water comes from a depth of 1300 meters. The temperature of the water is 60 degrees. Organoleptically, the water is clear, salty with oily odour characteristics and is classified as an oily water. Over time, it becomes yellowish and clouded. The effects of the thermal mineral water include **muscle relaxation, an anti-inflammatory effect, increasing the extensibility of connective tissue, reduction of the viscosity of synovial fluid, changes in the osmotic behaviour of the skin, microcirculation stimulation, impact on the sensitivity to UV rays, impact on thermoregulation, muscle relaxation, and a keratolytic effect.**
- **Electrotherapy** - Electrotherapy includes different therapeutic procedures for the treatment of locomotive diseases according to the doctor's indications, which achieve stimulation through bioelectrical magnetic fields, and the reactivation of cells from metabolic resting into activation, thus accelerating bone healing and cell reparation.
- **Phototherapy** – Phototherapy is used for patients who have skin diseases. The simultaneous use of naphthalan therapy and photo therapy provides better therapeutic effects. In addition to the natural and isolated treatment at the "Naftalan" hospital in Ivanić Grad, the following treatments are also offered: **paraffin therapy, cryotherapy, hydrotherapy, manual and vibro massages.** The complex application of physical therapy procedures makes the treatments more complete and successful.

Health – tourism offer: **medical wellness week, anti-stress weekend program, medical wellness weekend, romantic weekend at Naftalan, Weekend wellness Relax program, Weekend – Naftalan for clear and beautiful skin, 6-day treatment package.**

The institution offers the following services:

- **Naphthalan oil and Naphthalan cream** - Unique naphthalan products rich in naphthalan oil minerals that soothes irritated skin and scalp, stimulates skin regeneration, repairs its structure and prevents skin problems. It preserves the defence mechanisms of the skin and thus its functions, makes the skin softer and smooth, and supports its natural ability to renew. Preparation is particularly suitable for sensitive, irritated, damaged and red skin.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health workers (by occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	5	12	14	5	11	2	1	3 kinesiologists	
2.	Dermatology and Venereology	4			1	2				
	<b>TOTAL</b>	<b>9</b>	<b>12</b>	<b>14</b>	<b>6</b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>48</b>

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	Naftalan Special hospital CONSTRUCTION AND FURBISHING OF THE FACILITY	DESIGN, WORKS AND EQUIPMENT	This project consists of the construction of accommodation facilities with 74 accommodation units containing 120 beds at the 4* level, fitness halls, a multi-purpose hall, a new restaurant and coffee bar, outdoor and indoor pool and solar vaulted parking for energy production.	90,000,000.00	12,122,559.07



- NAFTALAN SPECIAL HOSPITAL FOR MEDICAL REHABILITATION



# VELI LOŠINJ HEALTH RESORT

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
180	168	13	17	8,656	15,300	1,399	1,013	9,890	5,410	618	2,835,820.00	4,074,078.00	Director: Renata Žugić, mag.pharm. Director Cellular: 099/577-3821 E-mail: renatazugic@gmail.com
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		30		23,956		2,412		15,300		618	6,909,898.00		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 6 rooms in total (12 beds): 6 rooms 2B
- Total number of commercial rooms: 68 rooms in total (168 beds): 4 rooms 1B, 46 rooms 2B (of which 14 2B rooms with auxiliary beds), 18 rooms 4B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The Veli Lošinj health resort is registered for the following activities: specialist, consulting and hospital activities that include diagnostic, treatment and rehabilitation services for respiratory and skin diseases in adults and children, as well as ensuring the conditions for the accommodation and feeding of patients in the Health resort, implementation of preventive measures in order to prevent the onset of illness, the study of medical and statistical data on users of health services treated in the health resort, the professional development of medical and other staff, the organization of lectures, meetings of professional sections and symposia, and the organization of recreational activities for domestic and foreign users as part of health tourism.

The Veli Lošinj Climate Health Resort specializes in the treatment of **respiratory tract diseases, asthma, allergies and psoriasis, as well as in physical medicine and rehabilitation**. Its healing programs are based on benefits consisting of natural conditions at the site; the **mild Mediterranean climate** characterized by a large number of sunny hours throughout the year, and most of all, the **clean sea and air**, with **large complexes of pine trees and Mediterranean plants** on-site and in the surrounding area.

Offer specifics: **climate** – the very important marine healing factor, **favourable climatic elements** (temperature, pressure and air humidity and wind regime) are beneficial for the human body), **air** – the very important marine healing factor, which in Veli Lošinj is a little burdened with the investigated ingredients: sulphur dioxide, smoke and sediments), **the value of the Veli Lošinj medicinal factors** (the favourable sea temperature, water transparency and the absence of harmful ingredients are the basis of the beneficial effect of seawater on the human body. Strictly dosed solar radiation, infrared (IR) and ultraviolet (UV) rays, have a beneficial effect on the growth and development of children and the rehabilitation and recreation of adults. The empirically established values of the application of marine healing factors in Veli Lošinj recommends their use in Croatian medicine, curative and health tourism.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of medical nurses and technicians	Number of other health workers	Number of non-medical staff
1.	Physical medicine and rehabilitation	1		2	1	3	1	6
2.	Pulmonology		1					
3.	Paediatrics		1					
4.	Dermatology and Venereology		1			1		
	<b>TOTAL</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>6</b>

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	MEDICAL CENTRE	DESIGN, RECONSTRUCTION AND EQUIPMENT	In the reconstructed facility there would be a medical centre where the Health Resort will provide medical services with the use of natural healing factors and physical therapy procedures with the aim of the treatment, preservation and improvement of health and resting.	15,000,000.00	2,020,426.51
<b>Investment 2</b>	PARK II AND KITCHEN	DESIGN, RECONSTRUCTION AND EQUIPMENT	The ground floor of Park II is planned so that it forms a separate functional unit with a kitchen, in order to ensure the conditions necessary for HACCP standard compliance and obtaining the HACCP certificate. Reconstruction of the kitchen. 4*accommodation units are planned.	8,000,000.00	1,077,560.81
<b>Investment 3</b>	PARK III	DESIGN, RECONSTRUCTION AND EQUIPMENT	Ground floor - a space for registration and archive material, a computer room, a small kitchen; first floor - specialized retail pharmacy shop, a shop like "Tisak", a souvenir shop, a hairdresser; second and third floor - accommodation capacities of the apartment type with a shared terrace, the minimum number of planned apartments is 6 with a total of 20 basic beds.	6,750,000.00	909,191.93
<b>Investment 4</b>	PARK IV	DESIGN, RECONSTRUCTION AND EQUIPMENT	Apartments in the 4* category are planned, which would be intended for tourists during the main tourist season and for senior tourism with long-stay arrangements outside the main tourist season. With the possibility to annex the facility, the plan is to achieve an accommodation capacity of 26 basic beds in 13 apartments.	4,500,000.00	606,127.95



Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 5</b>	PARK V	DESIGN, RECONSTRUCTION AND EQUIPMENT	The PARK V facility is intended for the organization of the stationary part of the medical and therapeutic activities with 82 basic beds with a 4* standard. The planned capacities include all the rooms and apartments, which have to be designed and furnished to be suitable for hotel and patient rooms, depending on the needs of the institution at the given moment. The plan is to add a multimedia hall divisible into two smaller halls with a total minimal area of 150m2 (maximal 200m2).	22,500,000.00	3,030,639.77
<b>Investment 6</b>	PARK PODJAVORI FOREST - VITALITY PARK	DESIGN, EXECUTION OF WORKS AND EQUIPMENT	In the park and park-forest, the following are planned: exercise/therapy area, therapy areas in the open, sunbathing areas - on terraces of the building and in the park, air bath/ aromatherapy, area for gathering, talking, education in the open (small amphitheatres and alike), a catering location with terrace, walks, summer houses in the park and resting areas.	3,750,000.00	505,106.63
<b>Investment 7</b>	LAUNDRY AND SERVICE WORKSHOPS	DESIGN, RECONSTRUCTION AND EQUIPMENT	The furnishing of the existing facilities and the procurement of new equipment.	1,500,000.00	202,042.65
<b>Investment 8</b>	FURNISHING OF THE PARKING LOT AND INTERNAL ROADS	DESIGN, EXECUTION OF WORKS AND EQUIPMENT	The construction of a new parking lot and the renovation of internal roads.	2,250,000.00	303,063.98

- VELI LOŠINJ HEALTH RESORT



# **THALASSOTHERAPIA OPATIJA SPECIAL HOSPITAL FOR MEDICAL REHABILITATION OF CARDIAC, PULMONARY AND RHEUMATIC DISEASES**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016 (HRK)		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
232	100	121	108	35,593	21,892	897	1,240	9,880	12,012	39,960	42,070,788.00	12,828,326.00	Phone: 051/202-600, Fax: 051/271-424 thalassotherapia-opatija@ri.t-com.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		229		57,485		2,137		21,892		39,960	61,011,233.00		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 77 rooms
- Total number of commercial rooms: 58 rooms



- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The institution is specialized in performing the following activities: **treatment of cardiovascular diseases, dermatology, physical medicine, laboratory, neurology, psychology, radiology, sports medicine, clinical nutrition and nutrition.**

The institution's special offer reflects in the **Clinic for the treatment, rehabilitation and prevention of cardiovascular and blood vessel diseases.** Specifically, in the stationary part, with traditionally deferred, i.e., late cardiac rehabilitation, this institution is one of the few hospitals in the world that has been conducting early stationary rehabilitation for over a decade, which, in this day and age, given the treatment of acute coronary syndrome doctrine, is of exceptional professional, scientific and public health significance. In the field of the prevention of heart and blood vessel diseases, Thalassotherapia Opatija offers a comprehensive, modern approach to combating the risk factors. Several years of work by the Centre for nutrition, prevention and treatment of obesity, the School for non-smoking and a number of other specific programs in the framework of primary and secondary prevention, and permanent educational projects for hospitalized patients that are open to all members of the wider community stand out in its operations.

The health tourism offer is reflected in the work of the **Reference centre for health tourism and medical programmed vacations of the Republic of Croatia Ministry of Health.** The reference centre for health tourism and medical programmed vacations, which operates within Thalassotherapy Opatija in today's scope and quality of professional, scientific research and teaching work has grown on a proud tradition lasting over fifty years. The professional activity of the Reference centre takes place in accordance with modern standards of diagnostic and therapeutic procedures, and the professional activities of the Reference centre are continuously intertwined with scientific research and teaching activities.

As part of the health and tourist offer, **Thalasso Wellness Centre Opatija** offers: **beauty parlours** – with a rich range of massage and facial and body treatments using face and body treatment devices, slimming and body forming; **pool and jacuzzi** – a semi Olympic pool with sea water, hydromassage nozzles, swimming against the current and jacuzzi; **Spa Relax Zone** – 4 types of sauna (Finnish, Aromarium, Thalassarium, Lakonium), Jacuzzi, Tepidarium and Relaxarium; **Fitness centre** - equipped with Technogym devices for individual and group exercises under the guidance of a kinesiologist. In addition to the above, the following programs are available in the Centre: **medical programs for back pain, rheumatism and osteoporosis, dermatological cosmetology, nutrition counselling, psychological program - stress control and cosmetic surgery program.**

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of specialists	Number of subspecialty fellows	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health workers (by occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	2	3		1	11	9	1		1			2
2.	Internal medicine (general internal medicine)	2	5										
3.	Cardiology	5		8	3	5		13	20		2	1 nutritionist	1
4.	Radiology		2		1						4		
5.	Dermatology and Venereology		1						1				
6.	Neurology		1										
7.	General surgery		1					1					
	<b>TOTAL</b>	<b>9</b>	<b>13</b>	<b>8</b>	<b>5</b>	<b>16</b>	<b>9</b>	<b>15</b>	<b>21</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>3</b>



- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	THALASSOTHERAPIA OPATIJA - CENTRE FOR SPORT AND PERSONALIZED MEDICINE	DESIGN, CONSTRUCTION, WORKS AND EQUIPMENT	<p>The first Centre for sport and personal medicine, the introduction of a new international doctoral course, eHealth data storage. In 7 years there will be 24 newly employed persons. Increase in scientific and research activities. Concrete effects: prevention of a sudden cardiac death, research of the impact of sports on health.</p> <p>The goal of the project is the development of a new and first national Centre for sport and personalized medicine, the improvement of existing and the introduction of new services, which will result in increased competition on the market and the construction of the new building wing. In addition to the promotion and introduction of new activities, the purpose and the goal will be prevention, early diagnosis and treatment, the introduction of new international and other studies, as well as a personalized approach to patients, eHealth storage and data tracking, innovation creations and programs related to healthy living and active aging.</p>	53,405,858.32	7,193,507.47
<b>Investment 2</b>	RECONSTRUCTION OF THE FACADE ON THE EUROPE 2 BUILDING		Reconstruction of the facade on the Europe 2 building, with completely prepared documents and cost estimate, that will increase the energy efficiency of the building by making savings on an annual basis, and a complete return of investment within several years, with some minor additional works.	899,691.25	121,184.00
<b>Investment 3</b>	RECONSTRUCTION OF THE SYSTEM FOR HEATING AND THE PREPARATION OF HOT CONSUMABLE WATER AT THE CLINIC, EUROPE 1, EUROPE 2	DESIGN, WORKS, EQUIPMENT	The project is at the very beginning, no data is available.		
<b>Investment 4</b>	RECONSTRUCTION OF THE COOLING, VENTILATION AND AIR CONDITIONING SYSTEM, MAGNOLIJA BUILDING	DESIGN, WORKS, EQUIPMENT	Adjustment of the space for the new technical conditions required by the new angio room, which will soon be opened.	850,000.00	114,490.84
<b>Investment 5</b>	DRAFTING OF AN ENERGY SURVEY AND BUILDING CERTIFICATE AFTER THE COMPLETION OF THE PROJECT	DRAFTING AN ENERGY CERTIFICATE	After the completion of the above-mentioned projects, the Report on the conducted energy inspection of the building will be re-drafted, with adequate certificates.		

- THALASSOTHERAPIA OPATIJA SPECIAL HOSPITAL FOR MEDICAL REHABILITATION OF CARDIAC, PULMONARY AND RHEUMATIC DISEASES



## **KALOS SPECIAL HOSPITAL FOR MEDICAL REHABILITATION**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
256	136	74	64	76,333	3,866	388	287	2,494	1,372	3,373	19,278,620	4,761,877	Director: Damira Bojić, dr. med.
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		Phone: 020 755 100, Fax: 020 812 002, e-mail: <a href="mailto:damira.bojic@kalos.hr">damira.bojic@kalos.hr</a>
		138		80,199		675		3,866		3,373	24,040,497		Miranda Tabain, E-mail: <a href="mailto:miranda.tabain@kalos.hr">miranda.tabain@kalos.hr</a>

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 40 rooms in total (120 beds): 40 rooms 3B
- Total number of commercial rooms: 60 rooms in total (136 beds): 44 rooms 2B, 16 rooms 3B

## INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The geographical location and the depth of the Vela Luka bay have over the millennia preconditioned the deposition of curative mud in Kale bay. The source of the Kalac radioactive water is located at the bottom of the bay. The **combination of the peloid sites and radon water** is unique to the Adriatic. In addition to medicinal estuaries and mineral water, the healing climate of the Etesian type significantly completes the treatment conditions. Joining of these factors with **modern procedures of physical medicine and rehabilitation** makes the treatment particularly effective. Based on a series of scientific research projects conducted by the Oceanographic Institute in Split, the JAZU Balneological Laboratory, the Hydrometeorological Services of the Republic of Croatia and chemical laboratory of prof. Schnell in München, which have confirmed the healing properties of mud, the Kalos health resort received the status of a special hospital for medical rehabilitation.

Medical treatments being offered are as follows: **rheumatic disease treatment programs** (rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis (M. Bechterew), degenerative changes of the joints, arthritis of the hips, knees, shoulders, wrists, hands and other joints, degenerative changes to the spine or consecutively vertebrogenic vertebral pain syndrome, various forms of rheumatism (peri-arthritis, enthesitis, muscular rheumatism, lactic acid build-up), **neurological disease treatment programs** (hemiparesis, peripheral nerves, various neuromuscular diseases (polyradiculoneuritis, muscular dystrophy)), **gynaecological diseases** (sterility, chronic adnexitis), **packages for seniors**.

### • INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health associates (specify the occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	5	14	26	3	16	3	1	3 psychologist, defectologist, speech therapist	65
2.	Neurology	1								
	TOTAL	6	14	26	3	16	3	1	3	65

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
Investment 1	KALOS – VELA LUKA, RECONSTRUCTION AND CONSTRUCTION	DESIGN, CONSTRUCTION, WORKS AND EQUIPMENT	<p>Conversion of the “old” part into a therapy centre. Annexing of a floor with 30 accommodation units, upgrading the swimming pool, park, walkways, playgrounds, public area and new amenities as a source of income. Improvement and expansion of the Kalos facilities (renovation of the existing hospital building, common areas, restrooms, unreconstructed accommodation units, conference halls, etc.).</p> <p>Construction of the new rehabilitation centre and the new accommodation centre (new facilities for treatment and rehabilitation on the ground floor, and 30-50 new high standard accommodation units - 1st floor).</p> <p>Sport, spa, fitness (renovation of the existing outdoor swimming pool and sunbathing area, construction of a new spa and fitness facility)</p> <p>Renovation and reorganization of the green areas with a specific function and purpose.</p> <p>Certification of the project as a health facility, in terms of energy efficiency and as a green building.</p>	90,437,196.00	12,181,447.23



- KALOS SPECIAL HOSPITAL FOR MEDICAL REHABILITATION



## TOPUSKO HEALTH RESORT

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
153	82	53	29	29,267	2,895	275	16	2,775	120	2,080	19,027,785	3,385,078	Phone: 044/886-666, Fax: 044/886-029, E-mail: uprava@ljeciliste-topusko.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		82		32,162		291		2,895		2,080	22,412,863		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 40 rooms in total (71 beds): 14 rooms 1B, 21 rooms 2B, 5 rooms 3B
- Total number of commercial rooms: 45 rooms in total (82 beds): 9 rooms 1B, 31 rooms 2B, 1 room 3B, 4 apartment with 2B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The Topusko Health Resort is registered for performing the following activities: preventive healthcare, specialist, consulting and hospital rehabilitation, preventive and preliminary examinations, functional diagnostics and therapy, the provision of medication therapy according to indication, rehabilitation, and balneophysical therapy.

The Topusko Health Resort implements treatments for the following medical indications: **the rehabilitation of neurological patients** (disorder, injury or brain disease, or any part thereof, spinal cord, brain and peripheral nerves belongs to the neurological disorder group), **rehabilitation of rheumatic patients** (mainly autoimmune inflammatory rheumatic diseases, degenerative diseases of the joints and spine caused by the deterioration of cartilage and soft tissue rheumatism where, in addition to joints, damage is caused to muscles, fascia, ligaments or tendons), **rehabilitation of orthopaedic disorders** (musculo-skeletal disorders – MSD – are a group of disorders associated with the bones, muscles, joints, tendons and nerves), **diagnostics and rehabilitation of children** (healthcare of children with disabilities with highly specialized professionals (physician specialists, Bobath therapist, speech therapist and occupational therapist) in our newly remodelled and specially adapted rooms), **preoperative rehabilitation** (Topusko's specialist doctor will determine the best possible option of therapeutic procedures before the scheduled surgery for the purpose of better physical and mental preparation of the patient), **postoperative rehabilitation** (the objective of postoperative rehabilitation is to restore lost range of motion and restore optimum function, muscle strength and muscle mass), **after stroke conditions** (the intensity of treatment depends on the patient's condition and the degree of deficit), **vertebral and vertebrogenic syndromes** (clinical vertebral syndrome is characterized by local symptoms of pain, tense paravertebral muscles, impairment and changing the shape of the dynamic vertebral segment while the vertebrogenic clinical syndrome is characterized by pain that is transmitted to the head, upper limbs at the cervical spine or lower at the lumbar spine, motor outbursts of sensation and circulatory disorders).

Additional specifics of the resort's offer are the presence of **thermal water**, which helps with the treatment of: degenerative diseases of the locomotor system (arthritis of the hips, knees, etc.), external articulated rheumatism (periarthritis, tendinitis, etc.), metabolic diseases of the locomotor system (uric arthritis – gout), rehabilitation after surgery of the musculoskeletal system, rehabilitation after traumatic injuries of the locomotor system, the rehabilitation of vertebral-vertebrogenic syndrome of the spine, the rehabilitation of neurological patients (after CVI, MS), the rehabilitation of lesions of the peripheral motor neurons (polyneuropathy), rehabilitation of congenital dislocation of the hips, and torticollis, etc., rehabilitation after sports injuries.

- INFORMATION ON EMPLOYEES

	ACTIVITY	Number of specialists	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of health workers (by occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	4	1	16	13	4	10	2	1 (speech therapist)	29
2.	Internal medicine (general internal medicine)	1								
	<b>TOTAL</b>	<b>5</b>	<b>1</b>	<b>16</b>	<b>13</b>	<b>4</b>	<b>10</b>	<b>2</b>	<b>1</b>	<b>29</b>

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	MUD BATHS - RECONSTRUCTION (NEW ENTRANCE, SMALL SWIMMING POOL, FANGO AND HYDROTHERAPY)	DESIGN, CONSTRUCTION, WORKS AND EQUIPMENT	Reconstruction includes the demolition and construction of a small pool in line with the amendments to the building permit and the performance of other outstanding works in the areas of fango therapy, hydrotherapy, a new entrance, and in the area of existing entrance and south from the therapy pool in accordance with the building permit. Reconstruction includes the purchase of medical and non-medical equipment necessary for the full functioning of all areas of the Mud baths. Valid permits and detailed designs with tenders exist for the investment in question.	18,560,437.50	2,500,000.00
<b>Investment 2</b>	MUD BATHS – NEW ENTRANCE, FANGO AND HYDROTHERAPY	CONSTRUCTION, WORKS AND EQUIPMENT	The execution of outstanding works in accordance with the building permit, done in a roh bau style – fango therapy, hydrotherapy and a new entrance, as well as in the entrance area and south from the therapy pool. All in accordance with the main design.	2,400,000.00	323,268.24

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 3</b>	PETROVA GORA BUILDING (ACCOMMODATION AREA OF THE HEALTH RESORT) - COMPLETION OF THE ENERGY RENEWAL OF THE EXTERNAL MEMBRANE - REMAINING PART OF THE WINDOWS AND DOORS AND EXTERNAL FACADE.	DESIGN, WORKS AND EQUIPMENT	Completion of the energy renewal of the Petrova gora building (the accommodation area of the health resort) – the remaining part of the windows and doors and the external facade. The increase in energy efficiency through the replacement of radiators with fan convectors with complete regulation and locking mechanisms, including any necessary adjustments of the pipelines and replacement of the existing lighting with neon installations on the floors.	2,164,000.00	291,480.20
<b>Investment 4</b>	PETROVA GORA BUILDING (ACCOMMODATION AREA OF THE HEALTH RESORT) - COMPLETION OF THE ENERGY RENEWAL THROUGH THE RENEWAL OF AIR CONDITIONING, HEATING, COOLING AND LIGHTING SYSTEMS.	DESIGN, RECONSTRUCTION, WORKS, EQUIPMENT	Completion of the energy renewal of the Petrova gora building (accommodation area of the health resort) - through the construction of a new energy efficient air conditioning, heating and cooling system, as well as lighting. The increase of energy efficiency through the replacement of radiators with fan convectors with complete regulation and locking mechanisms, including any necessary adjustments of the pipelines and replacement of the existing lighting with energy efficient lighting.	3,000,000.00	404,085.30
<b>Investment 5</b>	HOT LINKS - THE ENERGY RENEWAL OF THE EXTERNAL HOT LINKS MEMBRANE (CONNECTION BETWEEN THE PETROVA GORA BUILDING AND THE MUD BATHS)	DESIGN, RECONSTRUCTION, WORKS, EQUIPMENT	The energy renewal of the external hot links membrane (connecting between the Petrova gora building and the Mud baths) through the reconstruction of a new energy efficient air conditioning, heating and cooling system, as well as lighting.	1,625,000.00	218,879.54
<b>Investment 6</b>	CENTRAL HEAT STATION – INCREASING THE ENERGY EFFICIENCY OF THE CENTRAL HEAT STATION	DESIGN, WORKS, EQUIPMENT	Increasing the energy efficiency through the installation of new equipment, servicing of the existing equipment, the replacement of aging equipment, cleaning and the heat insulation of the pipeline inside the plant.	5,000,000.00	673,475.50



Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 7</b>	THE MAIN PIPELINE - INCREASE OF ENERGY EFFICIENCY THROUGH THE REPLACEMENT OF THE MAIN PIPELINE	DESIGN, WORKS, EQUIPMENT	The increase of energy efficiency is achieved through the replacement of aging pipelines with insulated pipeline.	177,026.40	23,844.59
<b>Investment 8</b>	LIBRARY BUILDING - ENERGY RENEWAL FOR THE LIBRARY BUILDING	DESIGN, WORKS, EQUIPMENT	The increase of energy efficiency through the execution of heat insulation in the building walls, the replacement of external windows and doors and improving air tightness and refurbishing with reinforced thermostat valves with hydraulic balancing, and the installation of new blocking return valves. During the drafting of the design, the guidelines of the Conservation institute are required since the building is a protected immobile cultural facility.	3,000,000.00	404,085.30
<b>Investment 9</b>	MUD BATHS - ENERGY RENEWAL OF THE MUD BATH BUILDING	DESIGN, WORKS, EQUIPMENT	Increasing the energy efficiency by adding heat insulation in the building walls, the replacement of the existing external windows and doors, and by improving air tightness and refurbishing the HVAC system. During the drafting of the design, the guidelines of the Conservation institute are required since the building is a protected immobile cultural facility.	17,366,026.40	2,339,118.68

■ TOPUSKO HEALTH RESORT



## THALASSOTHERAPIA CRIKVENICA

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
280	160	76	75	36,320	19,474	1,863	761	15,392	4,082	2,145	22,356,000	6,564,790	Director; Damir Lončarić, dipl. oec.
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		E-mail: damir.loncaric@thalasso-ck.hr
		151		55,794		2,624		19,474		2,145	28,920,790		Phone: 051/407 601 fax: 051/785-189 Dario Antić, dipl.oec., Manager of the hospitality, sales and marketing department Phone/cell.: 051 407 616; 099 312 4420 E-mail: <a href="mailto:dario.antic@thalasso-ck.hr">dario.antic@thalasso-ck.hr</a>

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 47 rooms in total (120 beds): 1 room 1B, 35 rooms 2B, 4 rooms 3B, 4 rooms 4B, 1 rooms 5B, 2 rooms 8B
- Total number of commercial rooms: 77 rooms in total (160 beds): 14 rooms 1B, 45 rooms 2B, 17 rooms 3B, 1 room 5B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The institution is registered for the following activities: health tourism for domestic and foreign users, hospital activity in physical medicine, the rehabilitation and respiratory rehabilitation of children, the activity of the medical-biochemical laboratory, specialist and consulting activities, teaching activities for the needs of teaching healthcare institutions and specialist and consiliary healthcare in the field of dermatovenerology.

The institution is located in a peaceful part of Crikvenica on the coast, surrounded by Mediterranean vegetation. The guests have a nice beach at their disposal, as well as amenities for children's entertainment and sport. There is a pleasant walkway along the coast towards the centre of Crikvenica and towards the nearby Dramalj. In the immediate vicinity, there are several catering facilities and shops, sports fields, a bowling alley, a fitness centre, the main city beach with various sports, recreational and catering facilities. Excursions can also be organized by boat to the island of Krk or by bus to visit the rich cultural and natural landmarks.

Thalassotherapy has been cooperating with medical institutions throughout Croatia for many years, in particular with the Rijeka and Zagreb Clinical Hospital Centres, Clinical Hospitals in Zagreb, Medical Faculties in Rijeka and Zagreb, the Faculty of Kinesiology in Zagreb and the PGŽ Public Health Institute.

A special hospital for the medical rehabilitation of respiratory and musculoskeletal system diseases. They use the soothing natural factors of this region and their therapeutic extracts with the help of modern methods and modern medical equipment.

The medical parts of the institution are: **children's department** – treatment of children with locomotor system diseases, e.g. rheumatoid arthritis, post-trauma or post-surgery conditions, where this type of therapy also has an effect on the treatment of certain skin diseases such as atopic dermatitis, ichthyosis or psoriasis; **department for physical medicine and rehabilitation** – the treatment of all inflammatory, degenerative, metabolic and rheumatic diseases outside the joints, conditions after injuries to the locomotor system; rehabilitation after orthopaedic, surgical and neurological operations in children and adults is also successful, while special significance in the program of rehabilitation is given to the use of the beneficial effects of sea water, and thus hydrokinesiotherapy is done in a hot sea water pool and Hubbard tubs. Within the physical department, there are gymnastic halls for individual and group work, and the **otorhinolaryngological** unit – subacute and chronic inflammatory diseases of the sinus, nose and throat, allergic and vasomotor disorders of the upper respiratory system, diseases of the vocal cords (functional, professional), post-surgical conditions in the upper respiratory tract, post-radiotherapy and chemotherapy conditions of upper respiratory tract diseases, **internal and pulmonary units** – in the application of inhalation therapy: marine aerosol, individual inhalation therapy with natural remedies and medicaments, inhalation therapy with medication by intermittent positive pressure (IPPB), respiratory kinesiotherapy, vibration massage, postural drainage.

The specific offer includes: **hyperbaric chamber** – baromedicine centre operates within Thalassotherapy Crikvenica, under the expert guidance of the OXY Pula Baromedicine Polyclinic, the **hospital school** – classes are conducted in cooperation with the elementary school from which the child originates, with written instruction from his/her teacher in the curriculum that should be reviewed during the climate treatment.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of specialists	Number of subspecialty fellows	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of other health workers	Number of non-medical staff
1.	Physical medicine and rehabilitation		3		1	20	7	1	7	3	
2.	Internal medicine (general internal medicine)	1	2		2			5			
3.	Pulmonology				2						
4.	Cardiology			2							
5.	Paediatrics	1	3	2	1			2	8		
6.	Dermatology and Venereology		1						2		
7.	Otorhinolaryngology		1		1			2	4		
	TOTAL	2	10	4	7	20	7	10	21	3	74



- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	CONSTRUCTION PROJECT	DESIGN, CONSTRUCTION, WORKS AND EQUIPMENT	Construction of a modern Thalasso wellness centre with a net area of 9,500 m2.	110,000,000.00	14,816,461.09
<b>Investment 2</b>	RECONSTRUCTION PROJECT	DESIGN, RECONSTRUCTION, WORKS AND EQUIPMENT	Reconstruction and annexing of the facility in order to refurbish and equip the space for a modern inhalatorium and dialysis centre (ground floor + 2 floors) with a net area of 1,000 m2.	7,000,000.00	942,865.71
<b>Investment 3</b>	RECONSTRUCTION PROJECT	DESIGN, RECONSTRUCTION, WORKS AND EQUIPMENT	Reconstruction and annexing of the accommodation facility with a net area of 1,000 m2.	8,500,000.00	1,144,908.36
<b>Investment 4</b>	REHABILITATION OF THE FACADE AND ROOF OF THE BUILDING DALMACIJA - THALASSOTHERAPIA CRIKVENICA	DESIGN, RECONSTRUCTION, WORKS AND EQUIPMENT	Rehabilitation of the membrane and truss due to aging, in order to increase energy efficiency.	1,818,480.00	244,940.35

▪ THALASSOTHERAPIA CRIKVENICA



## BIOGRAD NA MORU SPECIAL ORTHOPAEDIC HOSPITAL

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
150	0	171	58	53,759	19	0	2	0	19	54,021	32,255,074.28	355,228.86	Phone: 023 383 - 344, Fax: 023 – 206-060 ortrav@email.t-com.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		229		53,778		2		19		54,021	32,610,303.14		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 47 rooms in total (150 beds): 17 rooms 2B, 30 rooms with 3 to 5B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The hospital engages in hospital and specialist consulting health protection of patients with acute and chronic conditions, in accordance with its branches of specialization. In addition, the hospital is also registered for specialist and consulting healthcare with specialized diagnostics and daily hospital services, the provision of health services in tourism in accordance with special regulations and diagnostics, treatment and medical rehabilitation, healthcare and accommodation and food for orthopaedic and trauma patients, patients treated with physical medicine and rehabilitation and patients requiring prolonged or long-term treatment and palliative care.

The special orthopaedics hospital is a modern centre for the treatment of orthopaedic diseases. The hospital operates through three departments: **orthopaedic** - aloarthroplastics of the hip and knee, joint arthroscopy, traumatology of the locomotor system, reconstructive surgery, treatment of disco-radical conflict with non-specific cytokine therapy (treatment algorithm), degenerative spine diseases, paediatric orthopaedic, congenital deformations, **extended treatment** - treatment of sub-acute conditions after orthopaedic surgical procedures and acute conditions of non-surgical diseases in orthopaedic, neurology and internal medicine with bed, diagnostics and other features tailored to the other capabilities of the special hospital, and the **physical medicine and rehabilitation department** – the rehabilitation and treatment of orthopaedic patients, the rehabilitation of trauma patients, the rehabilitation and treatment of rheumatic patients, the rehabilitation of neurological patients and metabolic diseases of the locomotor system.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists	Number of subspecialty fellows	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of other health workers	Number of non-medical staff
1.	Physical medicine and rehabilitation	6		2	13	11	2	20		
2.	Internal medicine (general internal medicine)	1		1			6	11		2
3.	Cardiology		1							
4.	Radiology	1							6	
5.	Anaesthesiology, reanimatology and intensive medicine	5		1			13	13		4
6.	Orthopaedics (orthopaedics and traumatology)	9		4			2	17		1
7.	Laboratory immu./Biochemical chem. laboratory with transfusion	1							5	1
8.	Extended or long-term treatment						2	15		1
	<b>TOTAL</b>	<b>23</b>	<b>1</b>	<b>8</b>	<b>13</b>	<b>11</b>	<b>25</b>	<b>76</b>	<b>11</b>	<b>9</b>

Note:

The table listing healthcare workers does not include the deputy director for nursing, nurses for hospital infections, the pharmaceutical technician and M.Sc. in pharmacy.

As far as non-medical staff are concerned, the list includes only a portion of the cleaning staff included in the department records, while the rest are included in the records of other departments that were not mentioned above. The total number of medical (172) and non-medical staff (59).

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	<p>1. UNIT I: The centre for bone tissue of the joints (which covers the diagnostics and therapy - rehabilitation part)</p> <p>2. UNIT II: Scientific training centre (allows the organization of conferences, continuing professional development courses and study exchanges in specialist areas – covers a congress part and accommodation section)</p> <p>3. UNIT III: Recreational, Wellness and SPA centre</p>	DESIGN, CONSTRUCTION, WORKS AND EQUIPMENT	This is one of the largest health tourism projects in the Adriatic. The adaptation and annexing of the hospital is planned, as well as the construction of new facilities for medical tourism and services.	151,500,000.00	20,406,307.77
<b>Investment 2</b>	GASIFICATION AND RECONSTRUCTION OF THE CENTRAL HEATING SYSTEM FOR THE EAST PART OF THE HOSPITAL		The project includes the connecting to the gas infrastructure, refurbishing the existing boiler room with adequate equipment for the transition to earth gas and the reconstruction of the existing central heating system in the eastern part of the hospital (the existing central heating system has shortcomings, i.e. reduced efficiency).	1,500,000.00	202,042.65
<b>Investment 3</b>	REPLACEMENT OF THE MAIN HOSPITAL STEAM PIPELINE		The project includes the replacement of the main steam pipeline, which currently creates huge energy losses due to aging.	1,000,000.00	134,695.10
<b>Investment 4</b>	RENEWAL OF THE FACADE IN THE OTHER PART OF THE MAIN HOSPITAL BUILDING		On the main hospital building, it is necessary to renew the facade on the eastern wing of the building. The facade of the west part of the main building was renewed in 2016.	1,200,000.00	161,634.12



- BIOGRAD NA MORU SPECIAL ORTHOPAEDIC HOSPITAL



## STUBIČKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
252	102	119	60	56,884	8,804	1,296	6	8,770	34	3,292	26,617,100	5,813,612	Switchboard +385 49 201 000
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		Deputy director: Krešimir Škof, mag. iur. Cell.: 098-9828 879 e-mail: ravnateljstvo@sbst.hr
		179		65,688		1,302		8,804		3,292	32,430,712		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 85 rooms in total (150 beds): 24 rooms 1B, 57 rooms 2B, 4 rooms 3B
- Total number of commercial rooms: 65 rooms in total (102 beds): 27 rooms 1B, 35 rooms 2B, 1 apartment 2B, 1 room adjusted to the needs of disabled persons 1B, 1 room adjusted to the needs of disabled persons 2B

- **INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS**

The institution is registered for the following activities: hospital treatment and medical rehabilitation with accommodation and food: polytraumatized patients; orthopaedic patients; patients undergoing general medical rehabilitation and balneology; neurological and neurosurgical patients, internist and peripheral vascular patients, specialist and consulting healthcare, diagnostic activity in the field of medicine, prevention measures for some diseases or conditions, scientific research.

Customer satisfaction, quality of service, innovation and creativity in health tourism are the objectives of our work. Our clients recognize it and present Stubičke Toplice as a destination of health, vitality, beauty and hospitality. The special hospital is equipped with modern medical equipment for the provision of physiotherapy services and medical rehabilitation, with a capacity of 235 beds in three interconnected facilities – Maximilian, Diana and Toplice (Resort), has a contract with the Croatian Institute for Health Insurance, and the services are also provided to private users, tourists and citizens. A wellness centre is located within the hospital, where you can choose one of the specially designed packages prepared for you by medical professionals for you to feel better and refresh your body and spirit. The special hospital is equipped with modern medical equipment for **diagnostics in the clinical-biochemical laboratory, ultrasound and x-ray diagnostics, as well as an internal medicine - cardiology and neurophysiology laboratory** with modern medical equipment.

The hospital performs the following procedures: **physical therapy** – curative procedures are carried out in the indoor pool – hydrogymnastics, individual baths in Hubard tubs and underwater massage; group and individual programs of medicinal and corrective gymnastics in two modern gyms; work and occupational therapy in an art workshop, **shock wave** - shock wave therapy (Swiss Dolorclast, extracorporeal shockwave therapy, ESWT) is a non-invasive therapeutic method whose mechanism of action is based on acoustic pulses generated outside of the body, **Kinesio taping** - Kinesio Taping is a definitive rehabilitative taping technique designed to facilitate the natural healing body process, ensuring the support and stability of muscles and joints without restricting the range of body movements, as well as providing the extended manipulation of soft tissue and extending the effect of manual therapy defined by a clinical condition, **muscle electrical stimulation (COMPEX)** – a technique that contracts muscles using electrical impulses, **muscle electrostimulation (KOTZ)** - its pulsing actions lead to muscle contractions through which it can activate a large percentage of muscle fibres, **KV diathermy** - deep heat therapy where energy is delivered from outside and is converted to heat energy in the body, **Seltzer ultrasound** - mechanical, thermal, physico-chemical and biological activity, **galvanisation** - its action changes the permeability of cell membranes, blood vessel expansion, enhances the metabolic processes, enhances the resorption of oedema, reduces spasms of the skeletal muscles and alleviates pain, **paraffin baths** - intended for intensive care, hydration, stimulation and deep cleaning of the hands and feet, **Fango therapy** - healing mud strengthens the immune system, improves circulation and mobility, and with it the exchange and excretion of toxins accumulated in the body, **Kinetek** – a modern machine for passive joint motion, **Bobath** – a physiotherapy concept developed on a neurophysiological basis.

**McKenzie method** - the goal of this method is to reduce or eliminate discomfort and pain, increase the mobility of the spine and strengthen the corresponding muscles, **PNF** - the goal of any treatment is to achieve the highest level of functioning and enable patients to become independent in daily living activities, **suspension exercises** - carried out in a specifically constructed aid apparatus for the purpose of relieving the burden of the weight of the limb to facilitate increasing the range of the motion in joints that are affected by arthritis, severe inflammation and the conditions affecting the elderly population, **laser therapy** - intended for anti-inflammatory regenerative bio-stimulating and analgesic treatments, **Transcutaneous electrical nerve stimulation (TENS)** – the use of electricity produced in the unit to stimulate the nerves for therapeutic purposes, **diadynamic current** (low frequency, half-wave or full wave rectified sinusoidal current, frequency 50-100 Hz, (half wave – 50 Hz, full wave – 100 Hz), **interference currents, magnetic therapy** - improves microcirculation and cell function, **underwater massage** - water jet massage, a combination of hydrotherapy and

mechanotherapy, which utilizes several physical factors: heat, buoyancy, hydrostatic pressure and pressure in the extremities, **hydrotherapy** - has an extremely positive effect on the musculoskeletal system, as well as the cardiovascular and respiratory systems.

Offer specifics: Wellness centre, massages - all massages are performed using aroma oils with special properties; medical massage - the goal is the treatment or alleviation of painful conditions, which is achieved by intensifying the capillary circulation in the treated area, a better supply of oxygen, accelerating the metabolism and decreased muscle tone; anti-stress massage – a combination of several manual massage techniques, further enriched with a blend of essential oils; anti-cellulite massage - focused on critical areas, increases circulation and speeds up the metabolism and lymph flow, which leads to the removal of fatty deposits from the body; manual lymph drainage - removes excess fluid from the body (face or body); spa centre, sports and recreation, wellness and spa packages. The special hospital for medical rehabilitation invests in new technologies and modern treatment methods, and as such was the first in Croatia to introduce cryosauna. Cryosauna is a treatment based on the principle of exposing the body to extremely low temperatures (-110 C to -190 C).

This procedure is more suitable and pleasant than cold baths, since cold nitrogen vapour does not contain moisture and has none of the negative consequences that may occur in cold baths. The advantages of cryosauna include that during therapy, the patient's head is above the chamber at all times, so he/she is always in contact with the staff who supervises them continuously. The effects of a cryosauna: acts on the microcirculation, relieves anxiety, psychosomatic dysfunction and depression, plays a therapeutic role in medicine, especially in: rheumatology, dermatology, neurology, orthopaedics, sexology, cardiology and pulmonology, reduces stress, revitalizes the body, stimulates the immune system, used in the prevention of lactic acid creation, a fast and effective method for weight control, good cellulite-fighting therapy, rejuvenates the body and prevents the formation of wrinkles, prevents the development of sports injuries caused by severe training and competitions, the quick and efficient regeneration of the body after surgery, the patient loses on average around 5-7 kg after 10 therapies.

- INFORMATION ON EMPLOYEES

No.	ACTIVITY	Number of specialists with teaching and research or professional titles (prof., doc., prim., dr.sc., mr.sc.)	Number of specialists	Number of subspecialty fellows	Number of residents	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of work therapists and masseurs	Number of other health workers	Number of health workers (by occupations)	Number of non-medical staff
1.	Physical medicine and rehabilitation	2	11	1	1	24	22	14	37	2	11	1 Prof. speech therapist 1 B.A. social worker	57

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
1	REPLACEMENT OF EXTERIOR DOORS AND WINDOWS ON THE GROUND, FIRST AND SECOND FLOOR OF THE THERMAE FACILITIES	REHABILITATION AND ADAPTATION	The cost of heating in the winter and cooling in the summer is increased due to inadequate external doors and windows in the Toplice facility. The replacement of the windows and doors in offices and clinics on the ground floor and rooms with balconies on the upper floors would reduce the amount of thermal water heating and the need for air conditioning would be significantly reduced. Thus, the energy potential could be preserved.	3,500,000.00	471,432.85
2	ADAPTATION OF THE MAKSIMILIJAN BUILDING – II COURTYARD AREA - CONSTRUCTION OF THE OUTDOOR SWIMMING POOLS	HOTEL AND SWIMMING POOL CONSTRUCTION	Upon the completion of the court proceedings, which should return the swimming pools to the hospital, it is necessary to reconstruct these in accordance with modern technical solutions (for example, covered with the possibility of uncovering them in the summer in order to be able to use them year-round), as well as the renovation of the supporting facilities. The other portion of the Maksimilijan courtyard building (built around 1930s) has been out of service for several years, and its adaptation in accordance with the conservation requirements would turn it into a modern hotel facility with a restaurant opening towards the pool. The purpose of this project is to increase the competitiveness of the hospital with new units and a modern restaurant. With this project, the hospital would get the resources that would make it a leading hospital for health, medical and wellness tourism with 4* accommodation.	38,500,000.00	5,185,761.38
3	REHABILITATION OF THE ANTONINA BUILDING	REHABILITATION	<p>The Antonina building is a protected cultural building now used as a laundry room and part of the archives. The facility is completely shabby and in need of repairs from the foundation to the roof. The building initially had floor bathing tubs that could be partially opened and shown as part of the cultural heritage. The laundry room area would be technologically harmonized. The building floor, which is now used for the auxiliary archives, would also be aligned with the applicable building standards.</p> <p>It is necessary to protect the building from decay by creating better</p>	1,500,000.00	202,042.65



Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
			<p>working conditions.</p> <p>With this project, the hospital protects the cultural monument and prevents the collapse of the building, while creating appropriate working conditions for the laundry employees.</p>		
4	CONSTRUCTION OF A HOSPITAL RESTAURANT	CONSTRUCTION	<p>The existing restaurant is architecturally and energetically in poor condition. The building was built in the nineteen sixties and should be torn down and a new one should be built in its place in accordance with the needs of feeding more than 200 patients a day. Since it is expected that the law will soon allow hospitals to deal with health, medical and wellness tourism, a modern restaurant is more than necessary. The purpose is to build a modern restaurant for up to 300 patients in order to increase the competitiveness of the hospital and allow the better preparation and distribution of food.</p> <p>The construction of a new restaurant completes the hospital's offer, which can be considered one of the leading hospitals in the area of medical rehabilitation and health, medical and wellness tourism.</p>	2,000,000.00	269,390.20
5	CONSTRUCTION OF A GREENHOUSE (HEALTHY FOOD SELF-SUPPLY)	CONSTRUCTION	<p>The thermal water that comes out of the heating system and the pool has a temperature of over thirty degrees and is currently discharged into the stream through the sewer. About hundred meters from the disposal site, the hospital has land on which it could build greenhouses to produce vegetables and fruits for the needs of the hospital and other health institutions. The heating of the greenhouses would be ensured by using the discharged water – according to some analysis, it is the equivalent of about 800 litres of fuel oil per day. The production may be organized on an ecological principle, and the Bedekovčina agricultural school and the Faculty of Agriculture would be included as strategic partners.</p> <p>The production of fruit and/or vegetables for the needs of the hospital and other health institutions with the use of waste hot water for</p>	7,500,000.00	1,010,213.26

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
			heating the greenhouse, which will achieve energy efficiency and the protection of renewable energy sources.		
6	INTERIOR DECORATION AND RECONSTRUCTION OF THE FACADE ON THE COURTYARD SIDE OF THE MAKSIMILIJAN BUILDING AND THE PHASE OF FURNISHING AND OTHER EQUIPMENT FOR THE ACCOMMODATION UNIT	IN THE CONSTRUCTION PHASE	The courtyard portion of the Maksimilijan building dates back to the 1920s and has been out of use for ten years. Interior design and reconstruction of the façade will create accommodation for 15 patients on the level of a four-star hotel and, along with a hydrotherapy area on the ground floor, will create a special accommodation unit.	4,500,000.00	606,127.95

<sup>1</sup> For projects (2, 3, 4, 5) there is no project documentation, those are only ideas for the period between 2016 – 2020. The other projects are being carried out. The entire complex is under the protection of the Ministry of culture.

- STUBIČKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION



## TOP THERMAE TOPUSKO

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
220	220	5	125	0	46,000	9,993	4,588	36,887	9,113	0	0	20,025,816	Director Đurđa Kovačević, dipl. ing.
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		Phone: 044-886-027
		130		46,000		14,581		46,000		0	20,025,816		Fax: 044-886-499  E-mail: <a href="mailto:d.kovacevic@topterme.hr">d.kovacevic@topterme.hr</a>  tainistvo@topterme.hr

The company has the following number of rooms:

- Total number of commercial rooms: 140 rooms in total (220 beds): 60 rooms 1B, 80 rooms 2B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The institution is registered for the following activities: the provision of services in nautical, rural, health, congress, sports, hunting and other forms of tourism, the provision of other tourist services, catering activities, the organization of exercise and sports recreation.

Thermal mineral water, as the most important natural resource, the geographic location and the climate, as well as the decorated complex and the human factor, have all contributed to the fact that Top Thermae today offers a wide range of health and tourism services. Health programs, capacities for seminars and smaller congresses, sports and recreational facilities, etc. provide numerous opportunities for relaxation, health and enjoyment in a beautiful natural environment. Warm human words and a smile are characteristic of the people of this region and are unavoidable here, which is something guests can immediately recognize.

Specifics of the offer: **active vacation** (Sports facilities – indoor swimming pool, gym, table tennis, bowling, fitness, cycling; sports facilities in the outdoor swimming pool (May through September), five swimming pools, three tennis courts, table tennis, beach volleyball, aqua gun, bocce, hanging bowling, mini golf, manager's package, Ride the bike, Team-building package, family package, sports training, thermal wellness package, weight loss package, controlled preventive wellness program, programmed active vacation, **services** (health program capacities for seminars and smaller congresses, sports and recreational facilities).



- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	RENOVATION OF THE EXTERNAL WINDOWS AND DOORS AND THE BALCONY IN THE RESIDENTIAL UNIT	WORKS, EQUIPMENT	Rehabilitation includes the following: dismantling the existing wooden windows and doors and the installation of internal and external window benches. The installation of new aluminium windows and balcony doors with same dimensions and appearance as the existing ones, with new external aluminium and internal stone window sills, and with aluminium eslinger blinds with a thermoinsulated aluminium blind box; finishing the aluminium parts to match other windows in the building. Rehabilitation of the existing balcony, including the removal of the existing layers of the floor structure on the balcony and making necessary new layers, hydroinsulation and tiling, as well as refurbishing with the necessary hydroinsulation in the existing reinforced concrete jardinières on the balconies.	3,276,420.00	441,317.72
<b>Investment 2</b>	REHABILITATION OF THE ROOF SLAB	WORKS, EQUIPMENT	The subject of this elaboration of the rational use of energy and heat protection is the renovation of the roof on the residential part of the hotels (annexed spa). The plan is to heat the residential area to an average temperature of +20°C. There are no special requirements for the heat insulation value of the divisions between the heated rooms. The project is to define all the layers in the edge structures relevant for the part of the building included in the zone. The subject of this elaboration is roof renovation, including the repair of the existing layer of hydroinsulation and the construction of new layers: heat insulation, geotextile and a final gravel layer.	762,780.00	102,742.73

■ TOP THERMAE TOPUSKO



# “PRIM. DR. MARTIN HORVAT“ ORTHOPAEDIC AND REHABILITATION HOSPITAL, ROVINJ

## • INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
220	150	56	49	23,461	21,548	82	1,086	902	20,646	19,066	12,287,882	10,574,352	Dr.Sc. Marinko Rade, mr.sc. orthopaedic medicine Director, e-mail: <a href="mailto:marinko.rade@gmail.com">marinko.rade@gmail.com</a>
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		105		45,009		1,168		21,548		19,066	22,862,234		

The institution has the following number of rooms:

- Total number of rooms intended for HZZO: 30 rooms in total (70 beds): 22 rooms 2B, 6 rooms 3B, 2 rooms 4B
- Total number of commercial rooms: 84 rooms in total (150 beds): 22 rooms 1B, 52 rooms 2B, 2 rooms 3B, 6 apartments 2B, 2 apartments 3B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

The institution is registered for the following activities: all health activities that are in line with the predominant activities, accommodation, meals and other health tourism services for certain patients, hospital and specialist-consulting healthcare in the field of physical medicine and rehabilitation, specialist and consulting healthcare in the area of orthopaedics and traumatology.

Specifics of the institution: Hospital care using **physical medicine and rehabilitation** with full board or half board, including various types of physical therapy and rehabilitation, **kinesiotherapy, hydrotherapy and electrotherapy with the use of the natural factors (heliotalassotherapy)** mostly in the summer months, and **individual and group exercises**, as well as all types of **massage**. The complex is open year-round.

- INFORMATION ON EMPLOYEES

	ACTIVITY	Number of specialists	Number of bachelor physiotherapists and physiotherapy assistants	Number of physiotherapists and physiotherapy technicians	Number of bachelors of nursing	Number of medical nurses and technicians	Number of other health workers	Number of non-medical staff
1.	Physical medicine and rehabilitation	8	22	3	3	26	2	58

- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 1</b>	BEACH REVITALIZATION - "Hospital 1 and 2 Rovinj"	FURBISHING AND RECONSTRUCTION	<p>The process should include the renovation of the sunbathing area and the contact area with the hospital surroundings, as well as the reconstruction of existing facilities. Interventions and reconstruction of the beach should be focused on facilitating the use of the beach for people with health problems, but also on improving and increasing the range of services that the city of Rovinj offers to the tourists.</p> <p>The ground floor of the sunbathing area is currently constructed as a concrete surface that has been damaged under the influence of atmospheric conditions and seawater, therefore, the renovation of the surface is planned with the replacement of the top surface layer. The new coating is designed using materials that will enable easy use and maintenance of the surface, without endangering the necessary safety and usage requirements (slip resistance, resistance to an aggressive environment, etc.). On the new floor, the necessary infrastructure would be constructed for the use of the beach (showers, shades, etc.).</p>	1,480,354.50	199,396.50
<b>Investment 2</b>	THE IMPLEMENTATION OF ENERGY EFFICIENCY AND ADAPTATION OF THE HOSPITAL WARD II BUILDING	ADAPTATION	<p>The main design has been drafted, together with the cost estimate for the energy renewal of building II of the hospital ward.</p> <p>The main design includes the following: heating and cooling of the building, and the preparation of consumable sanitary hot water. For the purpose of heating and cooling, the use of a VRF system is planned, as well as the use of a heat lift for heating consumable hot water and radiator heating kept in the facility. The heat source (in winter) and heat pit (in summer) for both types of device is water. It is also planned to replace the windows, doors and the insulation on the external walls.</p>	12,000,000.00	1,616,341.21



Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
			<p>Apart from achievement of energy efficiency, the design documents also solve other safety and communication needs of the hospital concerning, i.e. its patients, such as: electro-technical telephony installations, LAN, WiFi, wind alarm installations, SOS installations, video surveillance installations, TV installations and lighting.</p> <p>The management of the Rovinj hospital hopes that these investments will significantly improve the quality of accommodation for the patients and significantly contribute to the positioning on the international patient market.</p>		
<b>Investment 3</b>	RECONSTRUCTION OF THE PARK IN FRONT OF "PRIM.DR. MARTIN HORVAT"	ADAPTATION	Adaptation of the park/forest of the Rovinj hospital is planned with its conversion into a functional area that would be used for group exercises and didactic activities.	2,458,970.90	331,211.33
<b>Investment 4</b>	IMPLEMENTATION OF ENERGY EFFICIENCY AND ADAPTATION OF THE HOSPITAL WARD I BUILDING	ADAPTATION	<p>Drafting the main and detailed design for the energy renewal of the building and the hospital ward.</p> <p>The main design includes the following: heating and cooling of the building, and the preparation of consumable sanitary hot water. For the purpose of heating and cooling, the use of a VRF system is planned, as well as the use of a heat lift for heating consumable hot water and radiator heating kept in the facility. The heat source (in winter) and heat pit (in summer) for both types of device is water. It is also planned to replace the windows, doors and the insulation on the external walls. Apart from achievement of energy efficiency, the design documents also solve other safety and communication needs of the hospital concerning, i.e. its patients, such as: electro-technical telephony installations, LAN, WiFi, wind alarm installations, SOS installations, video surveillance installations, TV installations and lighting. Most importantly, they will increase the quality of the accommodation units with the construction of sanitary facilities in every room.</p> <p>The management of the Rovinj hospital hopes that these investments will significantly improve the quality of accommodation for the patients and significantly contribute to the positioning of Rovinj hospital on the international patient market.</p>	15,000,000.00	2,020,426.51

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
<b>Investment 5</b>	RECONSTRUCTION OF THE EXISTING BOILER ROOM AND CONVERSION TO GAS	RECONSTRUCTION	The hospital's boiler room uses mazut, which is no longer acceptable as fuel from an ecological point of view. There is an urgent need to convert the boiler to natural gas. It is necessary to reconstruct the present boiler room and construct a gas connection with distribution to the boiler room.	1,700,000.00	228,981.67
<b>Investment 6</b>	BUILDING OF THE PHYSICAL THERAPY UNIT	DESIGN, WORKS, EQUIPMENT	The design of the new building for the physical therapy unit.	Conceptual design being drafted	

- “PRIM. DR. MARTIN HORVAT” ORTHOPAEDIC AND REHABILITATION HOSPITAL, ROVINJ



## **THERMAE SELCE**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
8	8	19	9	0	1,789	2,132	455	1,187	602	0	0	7,800,000	Darije Dragičević, dipl.ing. C: +385 (98) 751 618 T: +385 (51) 764 055 F: +385 (51) 768 310
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		28		1,789		2,587		1,789		0	7,800,000		

The company has the following number of rooms:

- Total number of commercial rooms: 8 rooms (8 beds) – all rooms have 1 bed

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

Thermae Selce is registered for the following activities: specialist consulting healthcare, diagnostics and medical rehabilitation, without hospital treatment for the following healthcare activities i.e. medical specialities: physical medicine and rehabilitation, internal medicine, neurology, general surgery, orthopaedics, dermatology and venereology, gynaecology and obstetrics.

The following treatments are offered: **physical therapy and rehabilitation** (painful conditions of the joints and back, preoperative rehabilitation, postoperative rehabilitation, sports injuries, the rehabilitation of neurological diseases and peripheral nerve damage, osteoporosis, weight control, clinic for therapeutic options), **diagnostics** (special examinations, psychological counselling, diagnostic capabilities, systematic examinations), **sports medicine** (isokinetics, balance, gait, sport program, sport injuries, TS\*APSP), **medical wellness, beauty - centre programs** (anti-aging, massage, anticellulite program, medical wellness, weight loss).

Offer specifics are the following: **Orthokin (treatment of your own body)** (Orthokin therapy indications: acute and chronic joint diseases, such as gonarthrosis, coxarthrosis, arthritis of the shoulder, elbow and ankle, as well as traumatic cartilage injury, sciatica, traumatic muscle rupture, etc.), **therapeutic magnetic resonance** (MBST® – Nuclear Magnetic Resonance Therapy MBST® is the premier medical technology, a unique method that can regenerate cartilage and stimulate bone formation).



- INFORMATION ON INVESTMENTS

Investment - number	Project name	Type of investment	Description of the investment	Value of investment	
				HRK	EUR
1	RENOVATION OF THE NEARBY HOTEL SPACE		FURBISHING	3,000,000	404,085.30
2	PURCHASE OF EQUIPMENT		EQUIPMENT	7,500,000	1,010,213.26
3	SOLAR INSTALLATIONS		INSTALLATION OF SOLAR COLLECTORS FOR HOT WATER PREPARATION	150,000.00	20,204.27

■ THERMAE SELČE



## BIZOVAČKE TOPLICE HEALTH RESORT

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
116	41	43	6	18,528	5,058	302	7	4,981	77	940	10,184,991	121,622	Phone: 031/685-185 E-mail: racunovodstvo@bizovacke-toplice.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		49		23,586		309		5,058		940	10,306,613		

The company has the following number of rooms:

- Total number of rooms intended for HZZO: 38 rooms in total (75 beds): 1 room 1B, 37 rooms 2B
- Total number of commercial rooms: 20 rooms in total ( beds): 17 rooms 2B, 1 room 3B, 2 apartments 2B

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

Bizovačke Toplice is registered for the following activities: tourism services and other forms of tourist offer, the provision of accommodation services.

An institution for the implementation of hospital and specialist healthcare through **physical medicine and the rehabilitation** of patients suffering from acute and chronic diseases.

Treatment of the following medical indications is conducted: **diseases and injuries of the muscle-bone system, orthopaedic and trauma rehabilitation, chronic rheumatic diseases, inflammatory rheumatic diseases in the inactive phase, the rehabilitation of sports injuries, overuse syndrome, the rehabilitation of chronic pain conditions, brain injury, spinal cord and peripheral nerves, multiple sclerosis, polyneuropathy, cerebral paralysis, patients with psoriasis.**

The treatments being carried out: **hydrotherapy (carried out in pools with thermal mineral water, hydrogymnastics, underwater massage, two- and four-station galvanic baths), kinesiotherapy (carried out in units for individual exercise and units adjusted to smaller groups), electroprocedure (all forms of electrotherapy (galvanization, electrostimulation, diadynamic currents, interference currents, TENS), ultrasound, laser, magnetotherapy), thermal procedures (paraffin, solux), pressotherapy, work therapy.**



▪ BIZOVAČKE TOPLICE HEALTH RESORT





## **THERMAE TUHELJ**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
264	264	0	162	0	105,848	23,296	20,949	48,535	57,313	0	0	53,271,145	Director's office T: +385 (0)49 203 771    F: +385 (0)49 556 216 E: tajnistvo@terme-tuhelj.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		162		105,848		44,245		105,848		0	53,271,145		

The company has the following number of rooms:

- Total number of commercial rooms: 264 beds: classic rooms – 138 (including 3 rooms for disabled persons and 6 apartments), premium rooms – 126 (including 3 rooms for disabled persons and 6 apartments)

- **INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS**

Thermae Tuhelj is registered for the following activities: the hospitality industry: preparing food and providing nutrition services, preparing and serving drinks and beverages, preparing food for catering and providing accommodation services, providing services in nautical, rural, health, congress, hunting and other forms of tourism

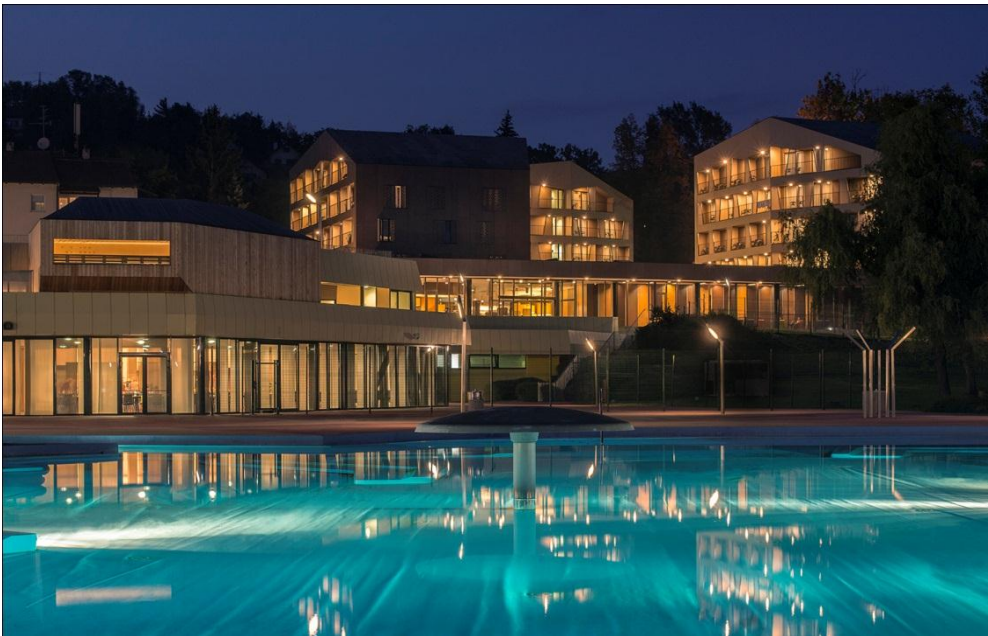
Health programs offered: **TANITA SCALES** (Professional segment body mass composition analysis. This works using the BIA technology principle (bioelectric impedance analysis). It provides a painless, rapid, precise and reliable tissue analysis), **blood glucose and pressure analysis, individual exercises with a physical therapist, group exercises with a physical therapist.**

One major element of the facility offer is the presence of **thermal water**, rich in peloid particles that are collected in the natural substances formed during geological processes. Finely divided and mixed with water, the mineral particles have a mineral and vegetable origin. The main ingredient is sulphur, which increases its medicinal properties. A special feature of Thermae Tuhelj is its thermal water, which is found in all indoor and outdoor pools, and you can also swim at the very source of this healing mineral water. **The facilities offer various forms of thermal mud therapy** that is ideal for medicinal purposes. The mud has a light and fine texture, as it contains many healing elements that remove and mitigate problems with rheumatism, sciatica and arthritis.

Other programs that are offered are: **hamam** (Turkish – Oriental bath), **facial treatments, body treatments, baths and wraps, saunas and swimming pools.**

Also, the following outdoor activities are available: **cycling trails, walking trails, fitness trails, adventure park, sports facilities** (indoor and outdoor).

■ THERMAE TUHELJ



## **THERMAE JEZERČICA**

- INFORMATION ON THE INVESTOR

Capacity of the institution (no. of beds)	Available capacity	Total no. of employees		Number of overnight stays (2016)		Client structure (market)				Client structure (HZZO)	Total revenues in 2016		Contact
		Medical staff	Other employees	Inpatients (HZZO) and outpatients	Commercial guests	Domestic - no. of guests	Foreign - no. of guests	Domestic - no. of overnight stays	Foreign - no. of overnight stays	Total number of inpatients (HZZO) and outpatients	Revenues from contract with HZZO and decentralized funds from the state budget	Market revenue	
117	117	0	69	0	27,574	10,145	2,225	22,165	5,409	0	0	17,108,030	Director's office Phone: +385 (0)49 200 603 E-mail: epavlekov@terme-jezercica.hr
		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	TOTAL		
		69		27,574		12,370		27,574		0	17,108,030		

The company has the following number of rooms:

- Total number of commercial rooms: 47 rooms (103 beds with 14 auxiliary beds), of which 2 rooms 1B.

- INFORMATION ON THE ACTIVITIES AND OFFER SPECIFICS

Thermae Jezerčica d.o.o. is registered for the following activities: Providing services in health, sports, congress, hunting, nautical, rural and other forms of tourism, catering services, thermal water extraction activities for the purpose of health tourism and recreation.

The city of Donja Stubica and the Hotel Thermae Jezerčica are located in the central part of the north slopes of Medvednica (Zagreb mountain) in the green beauty of the Stubička valley. In its southern portion, it includes the magnificent vegetation of the Medvednica Natural park, and in its northern portion it is surrounded by the vivid Zagorje hills. Donja Stubica and Gupčev kraj are certainly the most interesting historical urban units in northern Croatia.

The Thermae Jezerčica Wellness Centre offers a wide range of massage techniques such as medical massage, anti-stress massage, sports massage, California massage, anti-cellulite massages and lymphatic drainage. All the wellness treatments use oils of the highest quality and all massages are carried out by educated medical physiotherapists.

The modern SPA centre consists of five saunas: Turkish sauna, Finnish aroma sauna, classic Finnish sauna, panoramic classic Finnish sauna and infrared sauna. The SPA centre also offers a hammam, a whirlpool, a relaxation room, an outdoor cold pool for the cooling phase, an outdoor whirlpool with a sun terrace and a VIP massage zone for two.

The Thermae Jezerčica hotel bases its gastronomic offer on traditional Zagorje cuisine, a combination of local and international cuisine and a healthy diet.

The hotel also has a congress centre with four meeting rooms equipped with all the necessary technical equipment and the ability to accommodate meetings and conferences of up to 200 people. The Congress centre at the Thermae Jezerčica hotel has 4 conference halls with a total area of 300 m<sup>2</sup>. The largest hall has a total capacity of 200 guests for conferences or 400 guests for receptions, and is an ideal place for organizing events in a natural and green environment. The halls may be adjusted to the requirements, either for business meetings or banquets.



▪ THERMAE JEZERČICA



## POTENTIAL HEALTH TOURISM INVESTMENT PROJECTS

### Draškovec Project – Geothermal Power Plant Project (Heating Part)

- **Investor:** Hybrid Geothermal Power Plant AAT Geothermae
- **Project location:** Draškovec, City of Prelog, Međimurje County
- **Specifics of the project:** A pilot project for the high-efficiency production of green energy from renewable geothermal resources with no discharge into the environment (»Zero Emissions«). After the successful commissioning of the pilot project, the technology can be applied in a large number of similar power plants in Croatia, the region, the EU and the world. The project valorizes the mostly or completely unused potential of Croatia and the EU with direct and indirect effects on the economic and social development of the surrounding area. The project has been awarded by the European Commission's program NER300, EU Commission decision no. C(2014) 4493 from 08.07.2014. The award was given for the innovative aspect of the project and its demonstration effect in the EU and the world in the field of renewable energy sources and the disposal of CO<sub>2</sub>.
- **Total project value:** HRK 573,830,729 (EUR 77,294,009).
- **Project goals:** It is expected that 12 direct new jobs will be available, as well as 300-500 initiated jobs. **The initiation of the construction of the health resort and tourist complex »Vrt Hrvatske – Hortus Croatiae« (Garden of Croatia) project is planned,** as well as the **encouragement of greenhouse production and the development of economic zones in Prelog.**
- **Project description:** Electricity production in a hybrid geothermal plant in a so-called closed circuit with no emissions into the environment. The main product is electricity, a by-product of the thermal energy produced from its own geothermal wells at the site in Draškovec in the lower Međimurje region, one of the richest geothermal sites in Europe, which have mostly remained untapped for energy production until now.

The investment project of the AAT Geothermae power plant has been developing since 2012 as part of the wider holistic project „Hortus Croatiae – Vrt Hrvatske“ at the site in Draškovec in lower Međimurje, where the development of **sustainable forms of energy production, health tourism, recreation and the production of mineral water is based**, all based on the rich resources of the geothermal deposits and mineral water springs in Međimurje.

The economic environment of the Međimurje project is one of the most advanced in Croatia, as well as the wider region of Europe when it comes to support for entrepreneurship and openness to international investments in the economic and social development. The city of Prelog and the Draškovec settlement where the project is located already have a large number of international companies operating in the Prelog industrial zones and employing a large portion of the population. The highly developed economic environment with industrial zones represents an important market for the transmission and sale of thermal energy in the future development of the project, as well as the high potential for the development of a **health resort and tourist complex** that will again be a consumer of heat energy produced at the AAT Geothermae power plant. On the other hand, the cheap and green energy produced in the AAT Geothermae energy will be sufficient to reduce the energy costs for economic operators and households in the surrounding area, which will further positively influence the economic and social development of the Međimurje region and initiate the development of the domestic greenhouse production of healthy and tasty vegetables and fruits using local green energy.

The planned completion of the first phase of the project is in 2017, whereas the completion of the entire project is planned for 2020.





- Health resort and tourist complex »Vrt Hrvatske – Hortus Croatiae« (Garden of Croatia)

Source:

[www.urbia.hr](http://www.urbia.hr)



## Multifunctional Thermae - Sv. Ivan Zelina

- **Project location:** Sveti Ivan Zelina, Zagreb County
- **Project description:** The macrolocation is Sveti Ivan Zelina, which, with its existing tourism resources, attractive land for project development with thermal springs, proximity to Zagreb and the necessary and available funding incentives, possesses ideal conditions for the development and implementation of the Wellness & Spa Resort. Thermae of this type have a supra-regional reach and can supply source markets such as the wide Zagreb region. In the nineteen fifties, the Zelina pools were one of the best tourist centres in continental Croatia, with thermal-alkaline baths with three swimming pools, a modern international camp and bungalows, a restaurant with a large terrace and a store with food and souvenirs for sale. The city of Sveti Ivan Zelina strategically opted for the revitalization of the complex, which has not been in operation for the last ten years, and has created the prerequisites for investment in the complex's land. In addition to the existing space, there is also a sports and recreational centre with football fields and a hockey pitch. The great advantage of this project is the available natural resources (thermal water), the geographic location, preserved nature and the cultural, sporting, gastronomic and entertainment facilities within the tourist offer of Sveti Ivan Zelina, which can be connected to the offer of the future centre.
- **Specifics of the project:** The surface area is **60,773 m<sup>2</sup>** and the property is owned by the City of Sveti Ivan Zelina. The thermal water spring has a flow of **20 litres per second** and the water temperature is 24.1 degrees Celsius.
  - **Additional amenities:** The *Theme Park* project is designed as a multifunctional tourist destination based on historically inspired attractions imbued with educational and recreational facilities. It includes historical arts and crafts workshops, medieval knights' tournaments, interactive programs with food and beverages that are typical of that historical period, conference and sporting events organization, teambuilding and schooling in nature, all assembled together to provide multi-functionality with a unique entertainment experience and vacation. The goal of the offered services is to attract the interest of children and families, tourists, but also business organizations and corporations.







## Nin Recreational Tourist Centre (Nin Mud)

- **Investor:** Tankerska plovodba d.d.; RTC Nin d.o.o.
- **Project location:** City of Nin, Zadar County
- **Specifics of the project:** Among the gifts of nature in the Nin area, one of the most valuable is certainly the healing mud (peloid) located near the famous long sandy beach Kraljičina plaža (Queen's beach). Its effectiveness has been checked by tens thousands of people, who, in the organization and supervision of health facilities in Zadar, have used the mud for four decades to treat various ailments such as rheumatic diseases, spine deformities, musculoskeletal system problems, female infertility and various skin diseases.

The therapy, which usually lasts ten to twenty days, involves mud coating, sunbathing on the sandy beach and rinsing the peloid off in the warm sea. It is carried out in the morning during July and August. The therapy merges pleasure and useful properties, in addition to swimming and bathing in the warm and shallow sea water.

The mud as a natural resource is the basis on which the plans for the construction of the new modern recreational tourist centre are based.

- **Total value of the investment:** 450 million kuna (60 million euros).
- **Project goals:** The project includes three components: accommodation facilities that provide top quality wellness and tourism services with the attractive natural resources of Nin (healing mud, climate, view of the sea with beautiful sandy beaches).
- **Project description:** a four-star hotel, 580 bed capacity in 273 rooms (66 single and 207 double rooms) and 25 apartments (17 junior, 8 senior), with a congress centre with a capacity for 300 people, bars and restaurants, healing/rehabilitation facilities, wellness/spa, outdoor/indoor pools, underground garage with 245 parking units; villa zones and sports facilities with a restaurant including the sanitary facility, outdoor pools, children's playground and two beach volleyball playgrounds.



- Nin Recreational Tourist Centre (Nin Mud)

Source:

[www.arhitektura-jagic.hr](http://www.arhitektura-jagic.hr)

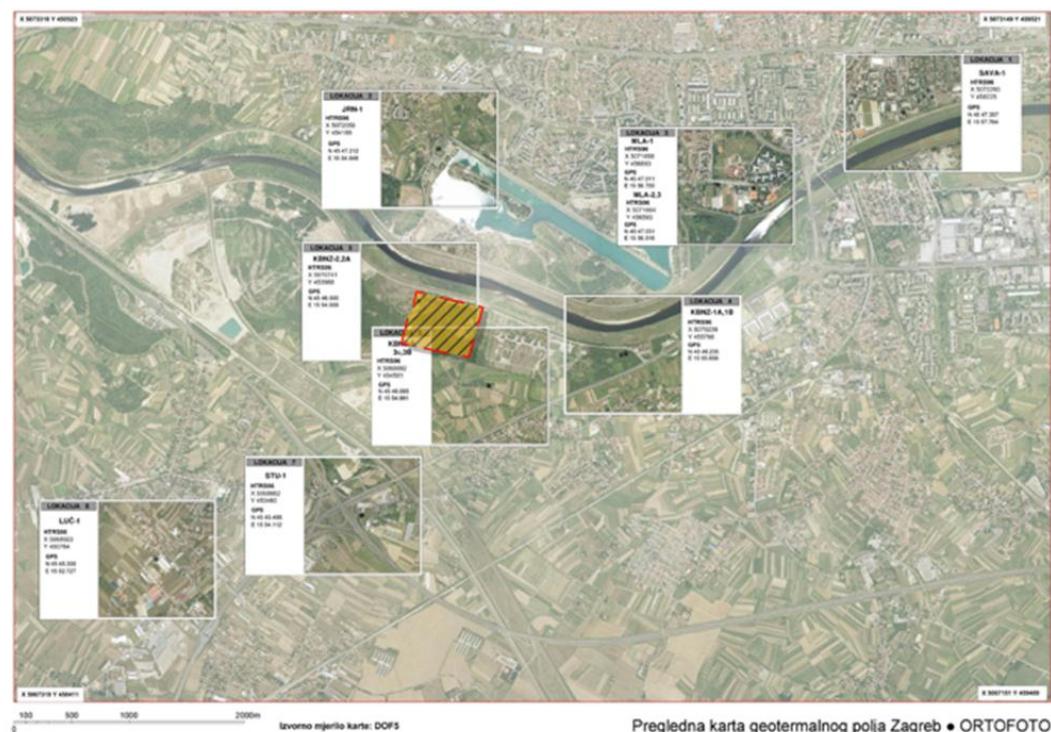




## Thermae Zagreb Recreational Health Centre

- **Investor:** City of Zagreb, INA d.d.
- **Project location:** City of Zagreb
- **Total value of the investment:** Pre-feasibility study is currently being prepared.
- **Project description:** The project includes energy development and recreational-healing development, which require the execution of the design activities, construction and equipment procurement.

### Zagreb geothermal field and the thermae location



## Statistics of operating results for special hospitals, health resorts and thermae in 2016

Element / special hospitals, health resorts, spas from the Catalogue of health tourism projects	SH Varaždinske toplice	SH Lipik	SH Daruvarske toplice	Health resort Istarske Toplice	SH Biokovka	SH Krapinske Toplice	SH Naftalan	Health Resort Veli Lošinj	Thalassotherapy Opatija	SH Kalos
Institution	1	2	3	4	5	6	7	8	9	10
<b>Total number of beds</b>	<b>894</b>	<b>284</b>	<b>302</b>	<b>248</b>	<b>489</b>	<b>580</b>	<b>137</b>	<b>180</b>	<b>232</b>	<b>256</b>
Number of beds contracted with the Croatian Institute for Health Insurance (HZZO)	488	130	140	0	85	457	60	12	132	120
Available capacity for the market	406	154	162	248	404	123	77	168	100	136
% of the available capacity for the market	45%	54%	54%	100%	83%	21%	56%	93%	43%	53%
<b>Total number of employees</b>	<b>656</b>	<b>186</b>	<b>231</b>	<b>51</b>	<b>155</b>	<b>745</b>	<b>104</b>	<b>30</b>	<b>229</b>	<b>138</b>
<i>Medical staff</i>	334	104	84	12	45	479	59	13	121	74
<i>Other staff</i>	322	82	147	39	110	266	45	17	108	64
<b>Number of overnight stays (2016)</b>	<b>195,850</b>	<b>66,576</b>	<b>84,789</b>	<b>52,998</b>	<b>100,751</b>	<b>166,087</b>	<b>37,383</b>	<b>23,956</b>	<b>57,485</b>	<b>80,199</b>
<i>Inpatients (HZZO) and outpatients</i>	160,788	45,016	43,017	0	44,820	139,522	28,136	8,656	35,593	76,333
<i>Total number of overnight stays of commercial guests (domestic and foreign)</i>	35,062	21,560	41,772	52,998	55,931	26,565	9,247	15,300	21,892	3,866
<i>Domestic commercial guests - number of overnight stays</i>	33,337	21,157	38,208	33,104	9,277	25,848	5,274	9,890	9,880	2,494
<i>Foreign commercial guests - number of overnight stays</i>	1,725	403	3,564	19,894	46,654	717	3,973	5,410	12,012	1,372
<b>Total number of guests/patients in 2016 (Inpatients (HZZO) and outpatients, as well as commercial guests)</b>	<b>13,314</b>	<b>4,575</b>	<b>11,201</b>	<b>15,825</b>	<b>12,823</b>	<b>7,774</b>	<b>9,603</b>	<b>3,030</b>	<b>42,097</b>	<b>4,048</b>
<b>Total number of inpatients (HZZO) and outpatients</b>	<b>7,276</b>	<b>2,353</b>	<b>2,230</b>	<b>0</b>	<b>3,331</b>	<b>6,251</b>	<b>8,809</b>	<b>618</b>	<b>39,960</b>	<b>3,373</b>
<b>Total number of commercial guests</b>	<b>6,038</b>	<b>2,222</b>	<b>8,971</b>	<b>15,825</b>	<b>9,492</b>	<b>1,523</b>	<b>794</b>	<b>2,412</b>	<b>2,137</b>	<b>675</b>
<i>Number of domestic commercial guests</i>	5,308	2,094	7,858	7,877	2,121	1,517	608	1,399	897	388
<i>Number of foreign commercial guests</i>	730	128	1,113	7,948	7,371	6	186	1,013	1,240	287
<b>Total revenues in 2016 (HRK)</b>	<b>HRK 109,404,310</b>	<b>HRK 32,773,471</b>	<b>HRK 43,424,009</b>	<b>HRK 15,705,822</b>	<b>HRK 36,494,611</b>	<b>HRK 120,258,401</b>	<b>HRK 28,569,268</b>	<b>HRK 6,909,898</b>	<b>HRK 61,011,233</b>	<b>HRK 24,040,497</b>
<b>Total revenues in 2016 (EUR)</b>	<b>€ 14,736,225</b>	<b>€ 4,414,426</b>	<b>€ 5,849,001</b>	<b>€ 2,115,497</b>	<b>€ 4,915,645</b>	<b>€ 16,198,217</b>	<b>€ 3,848,140</b>	<b>€ 930,729</b>	<b>€ 8,217,914</b>	<b>€ 3,238,137</b>
<i>Revenues from contract with HZZO, decentralized funds from the state budget and other funds from the state budget in 2016 (HRK)</i>	<i>HRK 87,621,685</i>	<i>HRK 26,652,056</i>	<i>HRK 21,884,235</i>	<i>HRK 1,084,728</i>	<i>HRK 9,008,264</i>	<i>HRK 98,212,890</i>	<i>HRK 24,306,117</i>	<i>HRK 2,835,820</i>	<i>HRK 42,070,788</i>	<i>HRK 19,278,620</i>
<i>Market revenue in 2016 (HRK)</i>	<i>HRK 21,782,625</i>	<i>HRK 6,121,415</i>	<i>HRK 21,539,774</i>	<i>HRK 14,621,094</i>	<i>HRK 27,486,347</i>	<i>HRK 22,045,511</i>	<i>HRK 4,263,151</i>	<i>HRK 4,074,078</i>	<i>HRK 12,828,326</i>	<i>HRK 4,761,877</i>
<b>Actual % market revenue = market revenues in 2016 / total revenues in 2016</b>	<b>20%</b>	<b>19%</b>	<b>50%</b>	<b>93%</b>	<b>75%</b>	<b>18%</b>	<b>15%</b>	<b>59%</b>	<b>21%</b>	<b>20%</b>

Element / special hospitals, health resorts, spas from the Catalogue of the health tourism projects	Health Resort Topusko	Thalassotherapia Crikvenica	SH for orthopaedic Biograd	SH Stubičke Toplice	Top Thermae Topusko	Hospital "Prim. Dr. Martin Horvat" Rovinj	Thermae Selce	Thermae Tuhelj	Thermae Jezerčica	Bizovačke Toplice	Total
Institution	11	12	13	14	15	16	17	18	19	20	20
<b>Total number of beds</b>	<b>153</b>	<b>280</b>	<b>150</b>	<b>252</b>	<b>220</b>	<b>220</b>	<b>8</b>	<b>264</b>	<b>117</b>	<b>116</b>	<b>5,382</b>
Number of beds contracted with the Croatian Institute for Health Insurance (HZZO)	71	120	150	150	0	70	0	0	0	75	2,260
Available capacity for the market	82	160	0	102	220	150	8	264	117	41	3,122
% of the available capacity for the market	54%	57%	0%	40%	100%	68%	100%	100%	100%	35%	58%
<b>Total number of employees</b>	<b>82</b>	<b>151</b>	<b>229</b>	<b>179</b>	<b>130</b>	<b>105</b>	<b>28</b>	<b>162</b>	<b>69</b>	<b>49</b>	<b>3,709</b>
<i>Medical staff</i>	53	76	171	119	5	56	19	0	0	43	1,867
<i>Other staff</i>	29	75	58	60	125	49	9	162	69	6	1,842
<b>Number of overnight stays (2016)</b>	<b>32,162</b>	<b>55,794</b>	<b>53,778</b>	<b>65,688</b>	<b>46,000</b>	<b>45,009</b>	<b>1,789</b>	<b>105,848</b>	<b>27,574</b>	<b>23,586</b>	<b>1,323,302</b>
<i>Inpatients (HZZO) and outpatients</i>	29,267	36,320	53,759	56,884	0	23,461	0	0	0	18,528	800,100
<i>Total number of overnight stays of commercial guests (domestic and foreign)</i>	2,895	19,474	19	8,804	46,000	21,548	1,789	105,848	27,574	5,058	523,202
<i>Domestic commercial guests - number of overnight stays</i>	2,775	15,392	0	8,770	36,887	902	1,187	48,535	22,165	4,981	330,063
<i>Foreign commercial guests - number of overnight stays</i>	120	4,082	19	34	9,113	20,646	602	57,313	5,409	77	193,139
<b>Total number of guests/patients in 2016 (inpatients (HZZO) and outpatients, as well as commercial guests)</b>	<b>2,080</b>	<b>4,769</b>	<b>54,023</b>	<b>4,594</b>	<b>14,581</b>	<b>20,234</b>	<b>2,587</b>	<b>44,245</b>	<b>12,370</b>	<b>1,249</b>	<b>285,022</b>
<b>Total number of inpatients (HZZO) and outpatients</b>	<b>1,789</b>	<b>2,145</b>	<b>54,021</b>	<b>3,292</b>	<b>0</b>	<b>19,066</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>940</b>	<b>155,454</b>
<b>Total number of commercial guests</b>	<b>291</b>	<b>2,624</b>	<b>2</b>	<b>1,302</b>	<b>14,581</b>	<b>1,168</b>	<b>2,587</b>	<b>44,245</b>	<b>12,370</b>	<b>309</b>	<b>129,568</b>
<i>Number of domestic commercial guests</i>	275	1,863	-	1,296	9,993	82	2,132	23,296	10,145	302	79,451
<i>Number of foreign commercial guests</i>	16	761	2	6	4,588	1,086	455	20,949	2,225	7	50,117
<b>Total revenues in 2016 (HRK)</b>	<b>HRK 22,412,863</b>	<b>HRK 28,920,790</b>	<b>HRK 32,610,303</b>	<b>HRK 32,430,712</b>	<b>HRK 20,025,816</b>	<b>HRK 22,862,234</b>	<b>HRK 7,800,000</b>	<b>HRK 53,271,145</b>	<b>HRK 17,108,030</b>	<b>HRK 10,306,613</b>	<b>HRK 726,340,026</b>
<b>Total revenues in 2016 (EUR)</b>	<b>€ 3,018,903</b>	<b>€ 3,895,489</b>	<b>€ 4,392,448</b>	<b>€ 4,368,258</b>	<b>€ 2,697,379</b>	<b>€ 3,079,431</b>	<b>€ 1,050,622</b>	<b>€ 7,175,362</b>	<b>€ 2,304,368</b>	<b>€ 1,388,250</b>	<b>€ 97,834,443</b>
<i>Revenues from contract with HZZO, decentralized funds from the state budget and other funds from the state budget in 2016 (HRK)</i>	<i>HRK 19,027,785</i>	<i>HRK 22,356,000</i>	<i>HRK 32,255,074</i>	<i>HRK 26,617,100</i>	<i>HRK 0</i>	<i>HRK 12,287,882</i>	<i>HRK 0</i>	<i>0</i>	<i>HRK 0</i>	<i>HRK 10,184,991</i>	<i>HRK 455,684,035</i>
<i>Market revenue in 2016 (HRK)</i>	<i>HRK 3,385,078</i>	<i>HRK 6,564,790</i>	<i>HRK 355,229</i>	<i>HRK 5,813,612</i>	<i>HRK 20,025,816</i>	<i>HRK 10,574,352</i>	<i>HRK 7,800,000</i>	<i>53,271,145</i>	<i>HRK 17,108,030</i>	<i>HRK 121,622</i>	<i>HRK 264,543,872</i>
<b>Actual % market revenue = market revenues in 2016/ total revenues in 2016</b>	<b>15%</b>	<b>23%</b>	<b>1%</b>	<b>18%</b>	<b>100%</b>	<b>46%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>1%</b>	<b>36%</b>

HNB median exchange rate on 18.03.2017. EUR/HRK = 7.424175



## Summary review of projects and project documentation status

HNB median  
exchange rate on  
18.03.2017.  
EUR/HRK

**7.424175**

Values

Project holder	Project name	Project type	Project description	Sum of Investment value in HRK	Sum of value in EUR	NOTE
Daruvarske Toplice	ANTUNOVE KUPKE (ANTUN'S BATHS)	INV	Adaptation of Antunove kupke (Antun's baths). The wellness facilities as a whole, together with the offer of the Central mud baths and the health resort porch.	7,424,175.00	1,000,000.00	Conceptual design
Daruvarske Toplice	ARCADIA and CONSTRUCTION OF IVANOV DOM (IVAN'S HOME)	INV	Adaptation of ARCADIA and the construction of IVANOV DOM (Ivan's home) Expansion of the accommodation capacity and the increase of the accommodation quality to 4*.	33,408,787.50	4,500,000.00	Conceptual design
Daruvarske Toplice	CONSTRUCTION OF A NEW HOSPITAL PAVILION	INV	The architectural solution for building the new hospital infirmary is the main part of the strategic plan for the development of Daruvarske toplice. The design will define the separation of the services provided to HZZO users and to other commercial users.	40,832,962.50	5,500,000.00	Design documentation prepared
Daruvarske Toplice	REVITALIZATION OF JULIJEV PARK (JULIJE'S PARK) AND ADAPTATION OF ŠVICARSKA VILA (SWISS VILLA)	INV	Reconstruction The oldest healing spa park – touristic and holistic application, 4* boutique apartment hotel.	11,136,262.50	1,500,000.00	Design documentation prepared
Daruvarske Toplice	ADAPTATION OF THE CENTRAL MUD BATH	INV	The elite wellness centre and centre for treatment of infertility using natural factors.	11,136,262.50	1,500,000.00	Conceptual design
Daruvarske Toplice	ADAPTATION OF THE TERRACE RESTAURANT	ENU	The replacement of the outer windows and doors in the Terrace restaurant and rooms, improvement of ventilation and the installation of LED lights. Since the said facility has a G class energy certificate, which is not good, the existing windows and doors are in poor condition and ageing, the ventilation is also poor and it	1,500,000.00	202,042.65	

			should be fitted with LED lights.			
Daruvarske Toplice	ADAPTATION AND RECONSTRUCTION OF THE POOL IN "TERMAL" HOTEL	INV	Reconstruction of the existing pool space with accompanying areas.	3,500,000.00	471,432.85	Main and detail designs drafted
Daruvarske Toplice	FURBISHING OF THE "TERMAL" FACILITY	ENU	The introduction of a new ventilation and air-conditioning system in the lobby and in the "Termal" therapeutic and recreational pool.	3,500,000.00	471,432.85	
Daruvarske toplice	RECONSTRUCTION AND BUILDING EXTENSION D Extension of the 4th floor of the Termal hotel	INV	Expansion of the accommodation capacity and the refurbishing of one part of the accommodation capacity for disabled persons.	3,300,000.00	444,493.83	Main and detail designs drafted
<b>Daruvarske Toplice Total</b>				<b>115,738,450.00</b>	<b>15,589,402.19</b>	
Istarske Toplice	DESIGN, WORKS AND EQUIPMENT	INV	Construction of a multipurpose arena and sports facilities.	7,617,059.00	1,000,000.00	
Istarske Toplice	DESIGN, WORKS AND EQUIPMENT	INV	Healing mud.	2,285,117.70	300,000.00	
Istarske Toplice	DESIGN, WORKS AND EQUIPMENT	INV	Entertainment centre.	1,904,264.75	250,000.00	
Istarske Toplice	DESIGN, WORKS AND EQUIPMENT	INV	Protection of thermal springs.	38,085,295.00	5,000,000.00	RETURN THE THERMAL LAKE TO ITS ORIGINAL CONDITION
Istarske Toplice	ISTARSKE TOPLICE RECONSTRUCTION	INV	QUALITY OF LIFE +55 - Preparation of project documentation for the reconstruction of a part of the existing facility - development of elderly care facilities, fully equipped apartments for the life-long stay of elderly people 55+	22,942,338.65	3,011,968.09	Main design drafted

Istarske Toplice	RECONSTRUCTION AND FURBISHING	INV & ENU	Entrance area adaptation	3,808,529.50	500,000.00	
Istarske Toplice	NEW THERAPY AND DIAGNOSTIC METHODS	INV	Purchase of diagnostics devices.	7,617,059.00	1,000,000.00	
<b><i>Istarske Toplice Total</i></b>				<b><i>84,259,663.60</i></b>	<b><i>11,061,968.09</i></b>	
KALOS, Vela Luka	KALOS RECONSTRUCTION, CONSTRUCTION	INV	<p>Conversion of the “old” part into a therapy centre. Annexing of a floor with 30 accommodation units, upgrading the swimming pool, park, walkways, playgrounds, public area and new amenities as a source of income. Improvement and expansion of the Kalos facilities (renovation of the existing hospital building, common areas, restrooms, unreconstructed accommodation units, conference halls, etc.).</p> <p>Construction of the new rehabilitation centre and the new accommodation centre (new facilities for treatment and rehabilitation on the ground floor, and 30-50 new high standard accommodation units - 1st floor).</p> <p>Sport, spa, fitness (renovation of the existing outdoor swimming pool and sunbathing area, construction of a new spa and fitness facility)</p> <p>Renovation and reorganization of the green areas with a specific function and purpose.</p> <p>Certification of the project as a health facility, in terms of energy efficiency and as a green building.</p>	90,437,196.00	12,181,447.23	
<b><i>KALOS, Vela Luka Total</i></b>				<b><i>90,437,196.00</i></b>	<b><i>12,181,447.23</i></b>	

Topusko Health Resort	Mud baths – small pool	INV	Reconstruction includes the demolition and construction of a small pool in line with the amendments to the building permit and the performance of other outstanding works in the areas of fango therapy, hydrotherapy, a new entrance, and in the area of existing entrance and south from the therapy pool in accordance with the building permit. Reconstruction includes the purchase of medical and non-medical equipment necessary for the full functioning of all areas of the Mud baths. Valid permits and detailed designs with tenders exist for the investment in question.	18,560,437.50	2,500,000.00	
Topusko Health Resort	Mud baths – new entrance, fango and hydrotherapy	INV	The execution of outstanding works in accordance with the building permit, done in a roh bau style – fango therapy, hydrotherapy and a new entrance, as well as in the entrance area and south from the therapy pool. All in accordance with the main design.	2,400,000.00	323,268.24	
Topusko Health Resort	Petrova gora building (accommodation area of the health resort) - completion of the energy renewal of the membrane - remaining part of windows and doors and external facade.	ENU	Completion of the energy renewal of the Petrova gora building (the accommodation area of the health resort) – the remaining part of the windows and doors and the external facade. The increase in energy efficiency through the replacement of radiators with fan convectors with complete regulation and locking mechanisms, including any necessary adjustments of the pipelines and replacement of the existing lighting with neon installations on the floors.	2,164,000.00	291,480.20	
Topusko Health Resort	Petrova gora building (accommodation area of the health resort) - completion of the energy renewal through the renewal of air	ENU	Completion of the energy renewal of the Petrova gora building (accommodation area of the health resort) - through the construction of a new energy efficient air conditioning, heating and cooling system, as well as lighting. The increase of energy efficiency through the replacement of radiators with fan convectors with complete regulation and locking mechanisms, including any necessary	3,000,000.00	404,085.30	

	conditioning, heating, cooling and lighting systems.		adjustments of the pipelines and replacement of the existing lighting with energy efficient lighting.			
Topusko Health Resort	Hot links - The energy renewal of the external hot links membrane (connection between Petrova gora building and the Mud baths)	ENU	The energy renewal of the external hot links membrane (connecting between the Petrova gora building and the Mud baths) through the reconstruction of a new energy efficient air conditioning, heating and cooling system, as well as lighting.	1,625,000.00	218,879.54	
Topusko Health Resort	Central heat station – increasing the energy efficiency of the central heat station	ENU	Increasing the energy efficiency through the installation of new equipment, servicing of the existing equipment, the replacement of aging equipment, cleaning and the heat insulation of the pipeline inside the plant.	5,000,000.00	673,475.50	
Topusko Health Resort	The main pipeline - increase of energy efficiency through the replacement of the main pipeline	ENU	The increase of energy efficiency is achieved through the replacement of aging pipelines with insulated pipeline.	177,026.40	23,844.59	
Topusko Health Resort	Library building - energy renewal for the library building	ENU	The increase of energy efficiency through the execution of heat insulation in the building walls, the replacement of external windows and doors and improving air tightness and refurbishing with reinforced thermostat valves with hydraulic balancing, and the installation of new blocking return valves. During the drafting of the design, the guidelines of the Conservation institute are required since the building is a protected immobile cultural facility.	3,000,000.00	404,085.30	



Topusko Health Resort	Mud baths - energy renewal of the Mud bath building	ENU	Increasing the energy efficiency by adding heat insulation in the building walls, the replacement of the existing external windows and doors, and by improving air tightness and refurbishing the HVAC system. During the drafting of the design, the guidelines of the Conservation institute are required since the building is a protected immobile cultural facility.	17,366,026.40	2,339,118.68	
<b>Topusko Health Resort Total</b>				<b>53,292,490.30</b>	<b>7,178,237.35</b>	
Veli Lošinj Health Resort	PARK PODJAVORI FOREST - VITALITY PARK	INV	In the park and park-forest, the following are planned: exercise/therapy area, therapy areas in the open, sunbathing areas - on terraces of the building and in the park, air bath/ aromatherapy, area for gathering, talking, education in the open (small amphitheatres and alike), a catering location with terrace, walks, summer houses in the park and resting areas.	3,750,000.00	505,106.63	
Veli Lošinj Health Resort	LAUNDRY AND SERVICE WORKSHOPS	INV	The refurbishing of the existing facilities and the procurement of new equipment.	1,500,000.00	202,042.65	
Veli Lošinj Health Resort	FURBISHING OF THE PARKING LOT AND INTERNAL ROADS	INV	The construction of a new parking lot and the renovation of internal roads.	2,250,000.00	303,063.98	
Veli Lošinj Health Resort	MEDICAL CENTRE	INV	In the reconstructed facility there would be a medical centre where the Health Resort will provide medical services with the use of natural healing factors and physical therapy procedures with the aim of the treatment, preservation and improvement of health and resting. The facility has been designed with the aim to achieve the conditions to be classified as energy class A.	15,000,000.00	2,020,426.51	
Veli Lošinj Health Resort	RECONSTRUCTION OF THE FACILITY PARK II WITH THE KITCHEN	INV	The ground floor of Park II is planned so that it forms a separate functional unit with a kitchen, in order to ensure the conditions necessary for HACCP standard compliance and obtaining the HACCP certificate. Reconstruction of the kitchen.	8,000,000.00	1,077,560.81	

			4* accommodation units are planned.			
Veli Lošinj Health Resort	PARK III	INV	The following facilities are planned: ground floor - a space for registration and archive material, a computer room, a small kitchen; first floor - specialized retail pharmacy shop, a shop like "Tisak", a souvenir shop, a hairdresser; second and third floor - accommodation capacities of the apartment type with a shared terrace, the minimum number of planned apartments is 6 with a total of 20 basic beds.	6,750,000.00	909,191.93	
Veli Lošinj Health Resort	PARK IV	INV	Apartments in the 4* category are planned, which would be intended for tourists during the main tourist season and for senior tourism with long-stay arrangements outside the main tourist season. With the possibility to annex the facility, the plan is to achieve an accommodation capacity of 26 basic beds in 13 apartments.	4,500,000.00	606,127.95	
Veli Lošinj Health Resort	PARK V	INV	The PARK V facility is intended for the organization of the stationary part of medical and therapeutic activities. The total accommodation capacity of Park V is planned with 82 basic beds at 4* standard. The planned capacities include all the rooms and apartments, which have to be designed and furnished to be suitable for hotel and patient rooms, depending on the needs of the institution at the given moment. Apart from above mentioned medical and accommodation facilities in Park V, the plan is to add a multimedia hall divisible into two smaller halls with a total minimal area of 150m2 (maximal 200m2).	22,500,000.00	3,030,639.77	
<b>Veli Lošinj Health Resort Total</b>				<b>64,250,000.00</b>	<b>8,654,160.23</b>	

Biokovka Makarska Special Hospital	RECONSTRUCTION, CONSTRUCTION	INV & ENU	<p>Infrastructural works on the construction and refurbishing of the annex with an underground parking lot, technical facilities, medical and rehabilitation and wellness facilities, a multifunctional hall, a conference hall and an open pool on the west side of the existing complex. Reconstruction of dilatation building A for the purpose of developing additional health facilities and improving the space functionality. Reconstruction, adaptation and modification of the existing medical rehabilitation facilities (including fitness, wet-dry paths, stairs, dressing rooms and toilets, etc.). Infrastructural works on the building and facilities in terms of increasing energy efficiency. Adaptation of the entire space of the institution for use by persons with disabilities, the elderly, disabled persons and children.</p>	187,908,379.00	25,310,338.05	<p>The preparation of design documentation for the Preparation of the main design for the "Beach" facility is in progress; Preparation of the main design for construction of an annex with accommodation units</p>
<b>Biokovka Makarska Special Hospital Total</b>				<b>187,908,379.00</b>	<b>25,310,338.05</b>	
Krapinske Toplice Special Hospital	RECONSTRUCTION, UPGRADE AND FACILITY EQUIPPING PROJECT FOR THE KRAPINSKE TOPLICE SPECIAL HOSPITAL FOR MEDICAL REHABILITATION AND THE CONSTRUCTION OF A WASTE INCINERATION PLANT	INV & ENU	<p>Reconstruction of the existing facilities with an emphasis on improving the energy efficiency and functionality of the space, refurbishment and environmental protection.</p>	45,000,000.00	6,061,279.54	

Krapinske Toplice Special Hospital	CONSTRUCTION OF A NEW HOSPITAL FACILITY AND GARAGE	INV	Construction and refurbishing of the new hospital facility with additional accommodation capacity for medical rehabilitation, which would enrich the existing offer, improve the quality of health services and better utilise the potential of health/medical tourism, as well as a garage that would free up the surface area for the arrangement of a park, exercise area and space for relaxation and entertainment.	65,000,000.00	8,755,181.55	
<b>Krapinske Toplice Special Hospital Total</b>				<b>110,000,000.00</b>	<b>14,816,461.09</b>	
Naftalan Ivanić-Grad Special Hospital	Naftalan Special hospital CONSTRUCTION AND FURBISHING OF THE FACILITY	INV	This project consists of the construction of accommodation facilities with 74 accommodation units containing 120 beds at the 4* level, fitness halls, a multi-purpose hall, a new restaurant and coffee bar, outdoor and indoor pool and solar vaulted parking for energy production.	90,000,000.00	12,122,559.07	Facility under construction
<b>Naftalan Ivanić-Grad Special Hospital Total</b>				<b>90,000,000.00</b>	<b>12,122,559.07</b>	
Varaždin Toplice Special Hospital	CONSTRUCTION OF THE RESORT HOTEL JUPITER AND CONNECTING ROAD	INV	The construction and equipping of a new resort hotel with a capacity of 480 beds at the level 4-5*, with an area of 30,000 m2 and the construction of the connecting road of the south and west Minerva parking lot for the new hotel	332,194,710.38	44,745,000.00	
Varaždin Toplice Special Hospital	CONSTRUCTION AND EQUIPPING OF THE SPINAL CENTRE	INV	Construction and equipping of the new hospital wing with a spinal centre (with design).	84,642,610.85	11,400,945.00	
Varaždin Toplice Special Hospital	DIGITAL MUSEUM REGION	INV	The project is jointly designed and planned at 9 locations in 6 counties of NW Croatia. Establishing the Aqua lasae digital museum is planned, which will contain a museum and multimedia presentation on the cultural and natural attractions with the main backbone of archaeological findings and special thermal water. Investments: upgrade of the facility entrance,	9,280,218.75	1,250,000.00	The design documents have been drafted for the refurbishing of the facility entrance "Time machine"

			“Time machine” (Citizens’ baths), tours of the Roman settlements (archaeological park), upgrade of the space in the city park (Munjara), upgrade of the portion of the Old town building.			(Citizens’ baths)
Varaždin Toplice Special Hospital	THERMAE VARAŽDINSKE TOPLICE	INV & ENU	The renovation, reconstruction and equipping of the Minerva hotel complex at 3* or higher (the current capacity is 265 rooms) with an Olympic swimming pool, the renovation, reconstruction and equipping of the power plant, the reconstruction and equipping of the thermae facilities, Constantine home and Lovrina baths with positioning as a 4* spa hotel.	404,277,584.53	54,454,210.00	ENU projects shall be drafted in 2017.
<b>Varaždinske Toplice Special Hospital Total</b>				<b>830,395,124.50</b>	<b>111,850,155.00</b>	
Lipik Specialized Hospital for Medical Rehabilitation	RECONSTRUCTION AND FURBISHING OF THE “FONTANA” HOTEL FACILITY	INV & ENU	Reconstruction and refurbishing of the „Fontana“ hotel facility: includes the renovation of existing and the construction of new units including the swimming pool, new facilities and the improvement of building energy performance. The reconstruction would increase the accommodation quality to 3/4*, install new facilities (reception, dining room, fitness, sauna, gym, space for physical therapies, pool) and achieve energy efficiency grade B. The room number would be increased from 59 to 87, which would allow the reception of one-day or weekend guests, as well as the separation of medical tourists and mobile HZZO users from patients that have difficulty moving and from immobile users. The preliminary design was drafted in September 2015. The gross area of the facility is 6,678.21 m2.	52,711,642.50	7,100,000	The entire set of documents has been prepared for “Fontana” with the main design, detail design and cost estimate for the 1st phase of works, and the building permit has been obtained. The said project also includes the energy efficiency



Lipik Specialized Hospital for Medical Rehabilitation	ADAPTATION AND FURBISHING OF "KURHOTEL"	INV	Adaptation and refurbishing of the "Kurhotel" hospital building, turning it into a ward with 70 beds and all the accompanying facilities and rehabilitation areas, with the implementation of energy efficiency measures. The areas intended for more severe cases treated at "Lipik" are refurbished according to modern and prescribed standards. Area: 2,400 m2. The reconstruction includes works relating to architecture, rehabilitation of the structure and electrical works, works on low voltage, lightning arresters and power units, heating, cooling and ventilation, water supply and sewage, and equipping of the interior.	19,302,855.00	2,600,000	The conceptual design has been drafted by Urbos d.o.o. in 2013.
Lipik Specialized Hospital for Medical Rehabilitation	RECONSTRUCTION AND FURBISHING OF "NARODNE KUPKE"	INV & ENU	Reconstruction of "Narodne kupke" with a communication network: rehabilitation-therapeutic facilities for the purpose of an individual and customized approach to therapy (pool, exercise room) and courtyard.	5,790,856.50	780,000	A main design has been drafted for "Narodne kupke" with location and building permit (AF Zagreb 2016) - energy efficiency included
Lipik Specialized Hospital for Medical Rehabilitation	ADAPTATION AND FURBISHING OF THE "KAMENE KUPKE" HOSPITAL RESTAURANT	INV & ENU	Adaptation and refurbishing of the hospital restaurant with the implementation of energy efficiency measures, includes the replacement of electrical and gas installations, the replacement of floors, windows and doors, the reconstruction of the facade, annexing of the open terrace, adaptation of the buffet area.	3,712,087.50	500,000	For Kamene kupke-restaurant - The conceptual and main design have been drafted by Urbos d.o.o. in 2013, at this moment the design is being amended

Lipik Specialized Hospital for Medical Rehabilitation	REVITALIZATION OF THE HISTORICALLY PROTECTED "LJEČILIŠNI PERIVOJ LIPIK"	INV	The revitalization includes electrification, the installation of video surveillance, replacement of the trees, ornamentals, the decoration of pathways, the partial tiling of the pathways with a rainwater drainage system, The installation of edges between pathways and green areas, terrain levelling, the renewal of grass, flower beds, ornaments and figures, irrigation system. Restoration of the accompanying historical facilities - two wells, a fountain and two weather stations. Covered area: 3.4 ha.	6,310,548.75	850,000	Prepared documentation: studies and publications, special geodetic survey map - layout plan, UOIG B. Đaniš Pakrac, 2012, Dendrology study, 2013, Conceptual solution, Šćitaroci, d.o.o. 2013, Conceptual design, Šćitaroci d.o.o., 2014. Main design being prepared
Lipik Specialized Hospital for Medical Rehabilitation	DRILLING OF A NEW GEOTHERMAL SPRING	INV	Drilling the new geothermal spring ensures a thermal water supply for therapeutic treatments and hospital heating. Currently, there is only one active borehole for supplying thermal mineral water and if it gets polluted, damaged or otherwise disabled or i.e. in the event of a reduced capacity of the borehole, SBMR Lipik would be without its most significant resource for treatments and healthcare. The new borehole would ensure the uninterrupted work of SBMR Lipik. The drilling includes works pertaining to architecture, mechanical installations, electrical installations, mining borehole design, and the thermal water return plant.	1,113,626.25	150,000	Design documentation: A pre-feasibility study of the existing energy potential for heating, cooling and ventilation, Tender documents for the works

Lipik Specialized Hospital for Medical Rehabilitation	REMEDIATION OF "MRAMORNE KUPKE" (Marble baths)	INV	Remediation of the damaged walls of Mramorne kupke in the area for conducting hydrotherapy (702.00 m2). The remediation of the damage would remove the cracks in the walls, terazzo floor and painted ornament ceiling. The building would be used for individual hydrotherapy treatments for users of healthcare services in marble baths and underwater massage units. The lobby would be used as a concert hall, while part of it would be used as a reception and waiting room	556,813.13	75,000	Prepared documentation: Conceptual solution, Conceptual design, Main design - renovation project, IGH d.d.d. Zagreb, April 2010
Lipik Specialized Hospital for Medical Rehabilitation	ADAPTATION OF THE RECEPTION AREA AND THE CENTRAL ORDERING UNIT	INV	The modernization, equipping and integration of the reception area and the central ordering unit	794,386.73	107,000	
Lipik Specialized Hospital for Medical Rehabilitation	Replacement of windows and doors in the management building "Vila Nenadović"	ENU	The replacement of windows and doors in the building used as office space for administration and management of SBMR Lipik, with a gross area of 650m2. Increasing the energy efficiency in the management and administrative building of SH Lipik.	987,415.28	133,000	Drafted Main design with the cost estimate (Entasis d.o.o Dubrovnik 2015.)
<b>Lipik Specialized Hospital for Medical Rehabilitation Total</b>				<b>91,280,231.63</b>	<b>12,295,000.00</b>	

THALASSOTHERAPIA OPATIJA Centre for Sport and Personalized Medicine	CONSTRUCTION AND EQUIPPING OF THE CENTRE FOR SPORT AND PERSONALIZED MEDICINE	INV	<p>The first Centre for sport and personal medicine, the introduction of a new international doctoral course, eHealth data storage. In 7 years there will be 24 newly employed persons. Increase in scientific and research activities. Concrete effects: prevention of a sudden cardiac death, research of the impact of sports on health.</p> <p>The goal of the project is the development of a new and first national Centre for sport and personalized medicine, the improvement of existing and the introduction of new services, which will result in increased competition on the market and the construction of the new building wing. In addition to the promotion and introduction of new activities, the purpose and the goal will be prevention, early diagnosis and treatment, the introduction of new international and other studies, as well as a personalized approach to patients, eHealth storage and data tracking, innovation creations and programs related to healthy living and active aging.</p>	53,405,858.32	7,193,507.47	
THALASSOTHERAPIA OPATIJA Centre for Sport and Personalized Medicine	Reconstruction of the facade on the Europe 2 building	ENU	Reconstruction of the facade on the Europe 2 building, with completely prepared documents and cost estimate, that will increase the energy efficiency of the building by making savings on an annual basis, and a complete return of investment within several years, with some minor additional works.	899,691.25	121,184.00	The data comes from specific offers we have at our disposal
THALASSOTHERAPIA OPATIJA Centre for Sport and Personalized Medicine	Reconstruction of the system for heating and the preparation of hot consumable water at the clinic, Europe 1, Europe 2	ENU	The project is at the very beginning, no data is available.	0.00	0.00	It is more cost effective to perform the works for two buildings at once

THALASSOTHERAPIA OPATIJA Centre for Sport and Personalized Medicine	Reconstruction of the cooling, ventilation and air conditioning system, Magnolija building	ENU	Adjustment of the space for the new technical conditions required by the new angio room, which will soon be opened.	850,000.00	114,490.84	Design and cost estimate prepared
THALASSOTHERAPIA OPATIJA Centre for Sport and Personalized Medicine	Drafting of an energy survey and building certificate after the completion of the project	ENU	After the completion of the above-mentioned projects, the Report on the conducted energy inspection of the building will be re-drafted, with adequate certificates.	0.00	0.00	With the realization of these projects we expect to achieve significant savings and environmental protection of higher quality. Until the completion of all the works, it is not possible to precisely assess the value of the investment, at the moment when they are being done, which is after the completion of all the planned works, since the market prices may be significantly different from the present ones.



<b>THALASSOTHERAPIA OPATIJA Centre for Sport and Personalized Medicine Total</b>				<b>55,155,549.57</b>	<b>7,429,182.31</b>	
THALASSOTHERAPIA CRIKVENICA	CONSTRUCTION PROJECT	INV	Construction of a modern Thalasso wellness centre with a net area of 9,500 m2.	110,000,000.00	14,816,461.09	
THALASSOTHERAPIA CRIKVENICA	RECONSTRUCTION, CONSTRUCTION PROJECT	INV	Reconstruction and annexing of the facility in order to refurbish and equip the space for a modern inhalatorium and dialysis centre (ground floor + 2 floors) with a net area of 1,000 m2.	7,000,000.00	942,865.71	
THALASSOTHERAPIA CRIKVENICA	RECONSTRUCTION PROJECT	INV	Reconstruction and annexing of the accommodation facility with a net area of 1,000 m2.	8,500,000.00	1,144,908.36	
THALASSOTHERAPIA CRIKVENICA	Rehabilitation of the facade and roof of the building DALMACIJA - THALASSOTHERAPIA CRIKVENICA	ENU	Rehabilitation of the membrane and truss due to aging, in order to increase energy efficiency.	1,818,480.00	244,940.35	The assessment of the value is based on the Cost estimate from the main design (2013).
<b>THALASSOTHERAPIA CRIKVENICA Total</b>				<b>127,318,480.00</b>	<b>17,149,175.50</b>	
Orthopaedic hospital in Biograd - Biograd Health and Tourist Centre	Unit 1 and Unit 2	INV	This is one of the largest health tourism projects in the Adriatic. The adaptation and annexing of the hospital is planned, as well as the construction of new facilities for medical tourism and services.	151,500,000.00	20,406,307.77	
Orthopaedic hospital in Biograd - Biograd Health and Tourist Centre	Gasification and reconstruction of the central heating system for the east part of the hospital	ENU	The project includes the connecting to the gas infrastructure, refurbishing the existing boiler room with adequate equipment for the transition to earth gas and the reconstruction of the existing central heating system in the eastern part of the hospital (the existing central heating system has shortcomings, i.e. reduced efficiency).	1,500,000.00	202,042.65	Design documentation exists
Orthopaedic hospital in Biograd - Biograd Health and Tourist	Replacement of the main hospital steam pipeline	ENU	The project includes the replacement of the main steam pipeline, which currently creates huge energy losses due to aging.	1,000,000.00	134,695.10	

Centre						
Orthopaedic hospital in Biograd - Biograd Health and Tourist Centre	Renewal of the facade in the other part of the main hospital building	ENU	On the main hospital building, it is necessary to renew the facade on the eastern wing of the building. The facade of the west part of the main building was renewed in 2016.	1,200,000.00	161,634.12	
<b>Orthopaedic hospital in Biograd - Biograd Health and Tourist Centre Total</b>				<b>155,200,000.00</b>	<b>20,904,679.64</b>	
Stubičke Toplice Special Hospital for Medical Rehabilitation	REPLACEMENT OF EXTERIOR DOORS AND WINDOWS ON THE GROUND, FIRST AND SECOND FLOOR OF THE THERMAE FACILITIES	INV & ENU	The cost of heating in the winter and cooling in the summer is increased due to inadequate external doors and windows in the Toplice facility. The replacement of the windows and doors in offices and clinics on the ground floor and rooms with balconies on the upper floors would reduce the amount of thermal water heating and the need for air conditioning would be significantly reduced. Thus, the energy potential could be preserved.	3,500,000.00	471,432.85	
Stubičke Toplice Special Hospital for Medical Rehabilitation	ADAPTATION OF THE MAKSIMILIJAN BUILDING – II COURTYARD AREA - CONSTRUCTION OF THE OUTDOOR SWIMMING POOLS	INV & ENU	Upon the completion of the court proceedings, which should return the swimming pools to the hospital, it is necessary to reconstruct these in accordance with modern technical solutions (for example, covered with the possibility of uncovering them in the summer in order to be able to use them year-round), as well as the renovation of the supporting facilities. The other portion of the Maksimilijan courtyard building (built around 1930s) has been out of service for several years, and its adaptation in accordance with the conservation requirements would turn it into a modern hotel facility with a restaurant opening towards the pool. The purpose of this project is to increase the competitiveness of the hospital with new units and a modern restaurant. With this project, the hospital would get the resources that would make it a leading hospital for health,	38,500,000.00	5,185,761.38	

			medical and wellness tourism with 4* accommodation.			
Stubičke Toplice Special Hospital for Medical Rehabilitation	REHABILITATION OF THE ANTONINA BUILDING	INV	The Antonina building is a protected cultural building now used as a laundry room and part of the archives. The facility is completely shabby and in need of repairs from the foundation to the roof. The building initially had floor bathing tubs that could be partially opened and shown as part of the cultural heritage. The laundry room area would be technologically harmonized. The building floor, which is now used for the auxiliary archives, would also be aligned with the applicable building standards. It is necessary to protect the building from decay by creating better working conditions. With this project, the hospital protects the cultural monument and prevents the collapse of the building, while creating appropriate working conditions for the laundry employees.	1,500,000.00	202,042.65	

Stubičke Toplice Special Hospital for Medical Rehabilitation	CONSTRUCTION OF A HOSPITAL RESTAURANT	INV	<p>The existing restaurant is architecturally and energetically in poor condition. The building was built in the nineteen sixties and should be torn down and a new one should be built in its place in accordance with the needs of feeding more than 200 patients a day. Since it is expected that the law will soon allow hospitals to deal with health, medical and wellness tourism, a modern restaurant is more than necessary. The purpose is to build a modern restaurant for up to 300 patients in order to increase the competitiveness of the hospital and allow the better preparation and distribution of food.</p> <p>The construction of a new restaurant completes the hospital's offer, which can be considered one of the leading hospitals in the area of medical rehabilitation and health, medical and wellness tourism.</p>	2,000,000.00	269,390.20	
Stubičke Toplice Special Hospital for Medical Rehabilitation	CONSTRUCTION OF A GREENHOUSE (HEALTHY FOOD SELF-SUPPLY)	INV & ENU	<p>The thermal water that comes out of the heating system and the pool has a temperature of over thirty degrees and is currently discharged into the stream through the sewer. About hundred meters from the disposal site, the hospital has land on which it could build greenhouses to produce vegetables and fruits for the needs of the hospital and other health institutions. The heating of the greenhouses would be ensured by using the discharged water – according to some analysis, it is the equivalent of about 800 litres of fuel oil per day. The production may be organized on an ecological principle, and the Bedekovčina agricultural school and the Faculty of Agriculture would be included as strategic partners.</p> <p>The production of fruit and/or vegetables for the needs of the hospital and other health institutions with the use of waste hot water for heating the greenhouse, which will achieve energy efficiency and the protection of renewable energy sources.</p>	7,500,000.00	1,010,213.26	

Stubičke Toplice Special Hospital for Medical Rehabilitation	INTERIOR DECORATION AND RECONSTRUCTION OF THE FACADE ON THE COURTYARD SIDE OF THE MAKSIMILIJAN BUILDING AND THE PHASE OF FURNISHING AND OTHER EQUIPMENT FOR THE ACCOMMODATION UNIT	INV	The courtyard portion of the Maksimilijan building dates back to the 1920s and has been out of use for ten years. Interior design and reconstruction of the façade will create accommodation for 15 patients on the level of a four star hotel and, along with a hydrotherapy area on the ground floor, will create a special accommodation unit.	4,500,000.00	606,127.95	Investment in realization phase
<b>Stubičke Toplice Special Hospital for Medical Rehabilitation Total</b>				<b>57,500,000.00</b>	<b>7,744,968.30</b>	
“Prim. Dr. Martin Horvat” Orthopaedic and Rehabilitation Hospital	BEACH REVITALIZATION - “Hospital 1 and 2 Rovinj”	INV	The process should include the renovation of the sunbathing area and the contact area with the hospital surroundings, as well as the reconstruction of existing facilities. Interventions and reconstruction of the beach should be focused on facilitating the use of the beach for people with health problems, but also on improving and increasing the range of services that the city of Rovinj offers to the tourists.  The ground floor of the sunbathing area is currently constructed as a concrete surface that has been damaged under the influence of atmospheric conditions and sea water, therefore, the renovation of the surface is planned with the replacement of the top surface layer. The new coating is designed using materials that will enable easy use and maintenance of the surface, without endangering the necessary safety and usage requirements (slip resistance, resistance to an	1,480,354.50	199,396.50	



			aggressive environment, etc.). On the new floor, the necessary infrastructure would be constructed for the use of the beach (showers, shades, etc.).			
"Prim. Dr. Martin Horvat" Orthopaedic and Rehabilitation Hospital	RECONSTRUCTION OF THE PARK IN FRONT OF "PRIM.DR. MARTIN HORVAT"	INV	Adaptation of the park/forest of the Rovinj hospital is planned with its conversion into a functional area that would be used for group exercises and didactic activities.	2,458,970.90	331,211.33	
"Prim. Dr. Martin Horvat" Orthopaedic and Rehabilitation Hospital	Implementation of energy efficiency and adaptation of the hospital ward II building	ENU	The main design has been drafted, together with the cost estimate for the energy renewal of building II of the hospital ward. The main design includes the following: heating and cooling of the building, and the preparation of consumable sanitary hot water. For the purpose of heating and cooling, the use of a VRF system is planned, as well as the use of a heat lift for heating consumable hot water and radiator heating kept in the facility. The heat source (in winter) and heat pit (in summer) for both types of device is water. It is also planned to replace the windows, doors and the insulation on the external walls. Apart from achievement of energy efficiency, the design documents also solve other safety and communication needs of the hospital concerning, i.e. its patients, such as: electro-technical telephony installations, LAN, WiFi, wind alarm	12,000,000.00	1,616,341.21	The design documents are ready and we are ready for the implementation of the project.

			installations, SOS installations, video surveillance installations, TV installations and lighting. The management of the Rovinj hospital hopes that these investments will significantly improve the quality of accommodation for the patients and significantly contribute to the positioning on the international patient market.			
"Prim. Dr. Martin Horvat" Orthopaedic and Rehabilitation Hospital	Implementation of energy efficiency and adaptation of the hospital ward I building	ENU	<p>Drafting the main and detailed design for the energy renewal of the building and the hospital ward.</p> <p>The main design includes the following: heating and cooling of the building, and the preparation of consumable sanitary hot water. For the purpose of heating and cooling, the use of a VRF system is planned, as well as the use of a heat lift for heating consumable hot water and radiator heating kept in the facility. The heat source (in winter) and heat pit (in summer) for both types of device is water. It is also planned to replace the windows, doors and the insulation on the external walls. Apart from achievement of energy efficiency, the design documents also solve other safety and communication needs of the hospital concerning, i.e. its patients, such as: electro-technical telephony installations, LAN, WiFi, wind alarm installations, SOS installations, video surveillance</p>	15,000,000.00	2,020,426.51	At this moment, we have a survey of the existing condition and conceptual design for the renewal of the said building

			installations, TV installations and lighting. Most importantly, they will increase the quality of the accommodation units with the construction of sanitary facilities in every room. The management of the Rovinj hospital hopes that these investments will significantly improve the quality of accommodation for the patients and significantly contribute to the positioning of Rovinj hospital on the international patient market.			
"Prim. Dr. Martin Horvat" Orthopaedic and Rehabilitation Hospital	Reconstruction of the existing boiler room and conversion to gas	ENU	The hospital's boiler room uses mazut, which is no longer acceptable as fuel from an ecological point of view. There is an urgent need to convert the boiler to natural gas. It is necessary to reconstruct the present boiler room and construct a gas connection with distribution to the boiler room.	1,700,000.00	228,981.67	At this moment, we have a detail energy study of the facility that foresees the use of a gas boiler room
"Prim. Dr. Martin Horvat" Orthopaedic and Rehabilitation Hospital		ENU	The design of the new building for the physical therapy unit.	0.00	0.00	Conceptual design being drafted
<b>"Prim. Dr. Martin Horvat" Orthopaedic and Rehabilitation Hospital Total</b>				<b>32,639,325.40</b>	<b>4,396,357.22</b>	
Thermae Selce	RENOVATION OF	INV	FURBISHING	3,000,000.00	404,085.30	

	THE NEARBY HOTEL SPACE					
Thermae Selce	PURCHASE OF EQUIPMENT	INV	EQUIPMENT	7,500,000	1,010,213.26	
Thermae Selce	SOLAR INSTALLATIONS	ENU	INSTALLATION OF SOLAR COLLECTORS FOR HOT WATER PREPARATION	150,000.00	20,204.27	
<b>Thermae Selce Total</b>				<b>10,650,000.00</b>	<b>1,434,502.82</b>	
Top-Terme d.o.o.	Renovation of the external windows and doors and the balcony in the residential unit	ENU	Rehabilitation includes the following: dismantling the existing wooden windows and doors and the installation of internal and external window benches. The installation of new aluminium windows and balcony doors with same dimensions and appearance as the existing ones, with new external aluminium and internal stone window sills, and with aluminium eslinger blinds with a thermoinsulated aluminium blind box; finishing the aluminium parts to match other windows in the building. Rehabilitation of the existing balcony, including the removal of the existing layers of the floor structure on the balcony and making necessary new layers, hydroinsulation and tiling, as well as refurbishing with the necessary hydroinsulation in the existing reinforced concrete jardinières on the balconies.	3,276,420.00	441,317.72	Design documentation exists
Top-Terme d.o.o.	Rehabilitation of the roof slab	ENU	The subject of this elaboration of the rational use of energy and heat protection is the renovation of the roof on the residential part of the hotels (annexed spa). The plan is to heat the residential area to an average temperature of +20°C. There are no special requirements for the heat insulation value of the divisions between the heated rooms. The project is to define all the layers in the edge structures relevant for the part of the building included in the zone. The subject of this elaboration is roof renovation, including the repair of the existing layer of hydroinsulation and the construction of new layers: heat insulation, geotextile and a final gravel layer.	762,780.00	102,742.73	Design documentation exists
<b>Top-Terme d.o.o.</b>				<b>4,039,200.00</b>	<b>544,060.45</b>	

<b><i>Total</i></b>						
<b>Grand Total</b>				<b>2,160,064,089.99</b>	<b>290,662,654.55</b>	

**Key:**

**INV - Investment projects**

**ENU - Energy Efficiency Projects**



## The financial summary of investment projects in health tourism

Sum of value in EUR	Project type			
Project holder	ENU	INV	INV & ENU	Sum total
Orthopaedic hospital in Biograd - Biograd Health and Tourist Centre	498,372	20,406,308		20,904,680
“PRIM. DR. MARTIN HORVAT“ ORTHOPAEDIC AND REHABILITATION HOSPITAL	3,865,749	530,608		4,396,357
Daruvarske toplice	673,476	14,915,927		15,589,402
Istarske Toplice		10,561,968	500,000	11,061,968
KALOS, Vela Luka		12,181,447		12,181,447
Topusko Health Resort	4,354,969	2,823,268		7,178,237
Veli Lošinj Health Resort		8,654,160		8,654,160
Biokovka Makarska Special Hospital			25,310,338	25,310,338
Krapinske Toplice Special Hospital		8,755,182	6,061,280	14,816,461
Naftalan Ivanić-Grad Special Hospital		12,122,559		12,122,559
Varaždin Toplice Special Hospital		57,395,945	54,454,210	111,850,155
Lipik Specialized Hospital for Medical Rehabilitation	133,000	3,782,000	8,380,000	12,295,000
Stubičke Toplice Special Hospital for Medical Rehabilitation		1,077,561	6,667,407	7,744,968
THERMAE SELCE	20,204	1,414,299		1,434,503
THALASSOTHERAPIA OPATIJA Centre for sport and personalized medicine	235,675	7,193,507		7,429,182
THALASSOTHERAPIA CRIKVENICA	244,940	16,904,235		17,149,175
TOP-TERME d.o.o.	544,060			544,060
<b>Sum total</b>	<b>10,570,446</b>	<b>178,718,974</b>	<b>101,373,235</b>	<b>290,662,655</b>

The catalogue of health tourism projects has been prepared and drafted by a professional team of the Institute for Health Services in Tourism, Ministry of Health of the Republic of Croatia  
**24 April 2017.**