

Building structures

Wellness hotel Sotelia, Spa Olimia

Project type

reinforced concrete construction

Location

Podčetrtek, Slovenia

Surface

11.000 m²

Investment value

15.300.000,00 €

Year(s)

2004 - 2006

Services

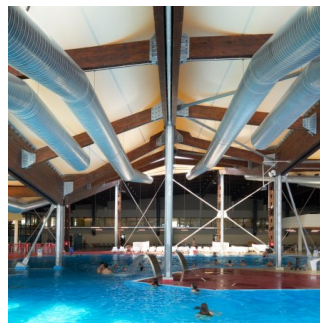
Structural design:
preliminary design,
building permit design,
detailed project (reinforcement
drawings, shop drawings),
completed works design (statical
calculation, reinforcement
drawings, shop drawings).

Architecture

Enota d.o.o.

Investor

Terme Olimia d.d.



The new hotel Sotelia that was added to Olimia thermal complex is designed as a four floor (GF+3) reinforced concrete construction. The uneven design of separate parts of the building make the whole structure quite complex, with emphasized 3-D outlook. Ground plan with dimensions 120,0 by 55,0 m indents itself into uneven slope which consecutively resulted in extremely difficult realization of building's foundations. These can be separated into three different segments by type. First segment of foundations is composed of reinforced concrete strip footings, a part of the building is founded by well foundation and the largest part of the building is founded by a series of reinforced concrete Benotto piles that reach depths between 5 and 15 meters. Additionally, sloped floor slabs and sloped facade walls contributed to the complexity of the building. Complete surface of the structure measures approximately 11.000,00 m².