

**Construction site visit to
„Dagály,, Swimming Pool Complex**

on 5th of April 2016

Scene of the 2017 swimming and water polo world championship

Photos of the construction site see at www.google.hu/dagaly swimming pool construction

Review of construction site organization and functioning problems

-manpower accomodation and supply, labour-safety formation

-reception of building materials

taking over, quantity and quality control

-storage of building materials and constructions

-moving of building materials and constructions on site

use of tower cranes designed according to lifted weights and distances

pumping of fresh concrete supplied by lorries arriving from concrete factory

-execution time-schedule: sequence of *construction activities*

for each activity: starting and finishing time, manpower and building machines

necessity

activities (for example):

-soil excavation

-construction of loadbearing structures: foundation, vertical loadbearing structures, horizontal loadbearing structures, roof structure

-water insulation works

-installation works (water, waste water, elektriccity, heating, telecommunication, safety systems (fire alarm, fire extuinguishing), ventillation etc.

-heat insulations

-partition walls construction

-wall and pavement coverings, roof covering

-placement of doors and windows

-other finishing works

-handing over ceremony on term

Loadbearing structural system of the swimming pool complex

Foundation: reinforced concrete piles

Vertical loadbearing structural elements: reinforced concrete columns, steel columns, reinforced concrete walls (corner boxes)

Horizontal loadbearing structures (floors):

intermediate floors: monolithic reinforced concrete slabs

top floor: (spatial) steel truss