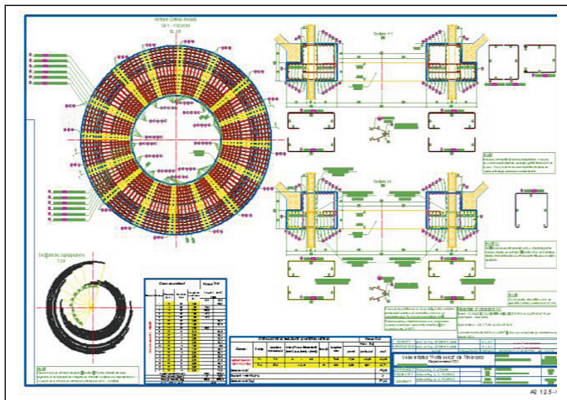


Goal of the project:

The goal of the project consisted in providing technical consultancy and preparing the Technical Project in order to finalize the execution process of a 200 mc water tank.

Short description of the project:

The execution of a 200 mc water tank in Răpsig village, Arad County, Romania was interrupted in an intermediate phase. The tower and the tank itself were executed, but the tank was never lifted to the designated elevation, on top of the tower.



Thus, a Technical Expertise was conducted within 2011 in order to identify the viable solutions for completing the construction and building services works and to start operation of the tank in order to serve the community. Consequently, a Technical Project had to be prepared to provide detailed technical solutions, in accordance with the specifications and recommendations of the Technical Expertise.

Implementation period: 2012

Project implemented by: Faculty of Civil Engineering, Department of Civil Engineering and Equipments

Main activities:

Performance assessment of the structure and of various technical solutions for viable completion of intervention works and design of interventions on the reinforced concrete structure of the tower and of the tank.

Results:

The solution concept issued for structural completing the water tank proved sound and viable.

Fields of interest:

Civil Engineering
Behaviour and Design of Reinforced Concrete Special Structures

Financed through/by:

Water Company Arad

Research team:

Prof. Dr. Civ. Eng Valeriu STOIAN
Assist. Dr. Civ. Eng. Sorin-Codrut FLORUȚ
Cosmin POPESCU, MSc. Student
Eng. Simon PESCARI, Ph.D. Student

Applicability and transferability of the results:

The technical solutions provided within the framework of the current contract could be applied for any other similar situation.

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