

Waste treatment projects

Design and construction of a solid waste treatment plant at Sadinata Site, Sofia

Bulgaria

Project

Geotechnical interpretation and evaluation design of a waste Mechanical and Biological Treatment (MBT) plant for processing waste and producing Refuse Derived Fuel, at Sadinata site, Sofia, Bulgaria.

Construction Cost

Total cost: approx. € 80m.

Project Schedule

Design: 2013 - 2014

Construction: 2014 - 2016

Project Description

Geotechnical interpretation and evaluation design for the foundation of the buildings and relevant facilities of the Sofia Municipality Waste Mechanical and Biological Treatment (MBT) plant, located in an area of approx. 107,000m² in Sadinata, Sofia.

Geology

Deluvial-proluvial Quaternary and Pliocene sediments consisting mainly of clay and gravel. Water table anticipated near the ground surface.

Our Services

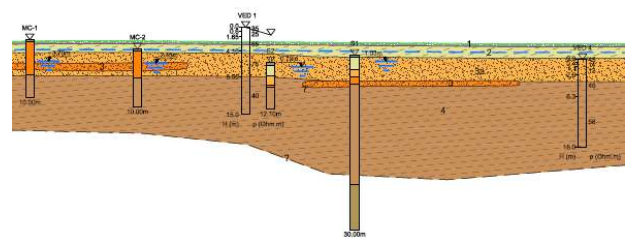
- Preliminary geotechnical interpretation and evaluation
- Establishment of the geotechnical site investigation campaign
- Geological and geotechnical interpretation, hydrogeological assessment, evaluation of the geotechnical conditions and determination of the geotechnical units
- Elaboration of typical geotechnical cross sections
- Determination of the geotechnical profiles
- Identification of the critical areas with respect to the geotechnical characteristics of the prevailing formations
- Determination of the geotechnical parameters required for the foundation for the buildings and the relevant facilities of the MBT plant

Client

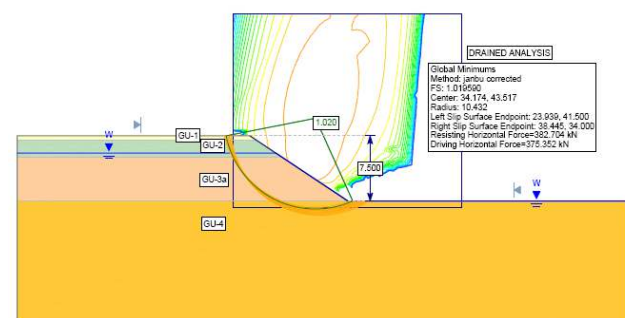
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Design ground profiles application areas



Typical geotechnical cross-section



Geotechnical simulation model for temporary cuts