

Abstract

In my diploma thesis, I concern with the detailed geological model of the base of the industrial complex in Kralupy nad Vltavou and the surrounding area. I have collected all available data from geology, engineering, geology, hydrogeology and geophysics. I created a database and using the autoCAD civil3D software and knowledge from the research part of this work I created a 3D model of interest area. From this model, I created maps and characteristic profiles. Based on archival research and created profiles, I reviewed the foundation basement of the most important buildings. My work provides complete geological information of this territory within 60 meters supported by all available surveys by 2016.