

Terrestrial Laserscanning Underground Facilities

Client

Wacker Chemie GmbH

Location / Date

Haigerloch, Baden-Wuerttemberg, Germany / 2005

Background

Wacker Chemie GmbH is operating an underground rock salt mine, which supplies the own chemical production and produces salt for road de-icing. The crusher and sorting plant is installed underground. To support the planning of layout modifications, the plant and the surrounding drifts have been surveyed with terrestrial laser scanning technology. Task of iMO was to provide a 3 dimensional model of the drifts around the plant and the axis of 27 conveyor belts, which are currently installed in the area.

Scope of Work

- Scanning of the facilities with 23 set up locations
- Processing of a 3D model of the underground drifts
- Production of cross section, spacing 0.50m
- Processing of 27 conveyor belt axis from the point clouds

Result

Delivery of a report and the survey results in dwg-format

Time Required

Survey during 2 weekend night shifts with 2 persons, processing 4 days

Scanning Equipment

Riegl LMS Z 210

