

GEO DETIC WORKS



Trojský most 2011

Complete realization of geodetic work

CCCE
PRAHA



Seat of the company



Company Profile

CCE Praha, Ltd. is a dynamically developing geodetic company, one of the leading Czech firms in this branch. It specializes mainly in solutions of technologically highly demanding projects, supplying works and providing services in the sphere of surveying, digital photogrammetry and remote sensing. The Company is also significantly involved in the research and development of defence and security technologies and processes based on the application of geographic information

on areas mainly for the purposes of navigation, positional alignment and orientation of terrestrial weapons and reconnaissance systems and means. The private company CCE Praha, LLC, founded in 1999, is a subsidiary of METROSTAV, joint stock company, which became its sole owner on May 1, 2009 and which, together with the Armed Forces of the Czech Republic, is its key client. As of that date, CCE also became a member of the METROSTAV Group. The company carries out a wide range of geodetic and surveying works:



Surveying

- carrying out the position of responsible surveyor
- creation of basic positional and altimetric setting-out networks on the surface and underground
- determination of vertical and horizontal deformations of buildings (staking out and checking of spatial position)
- autonomous determination of connecting directions with gyro-theodolite
- laser scanning and subsequent preparation of 3D models
- on-line automated system management of building processes (launching of bridges, slipforming)
- on-line automated system monitoring of the deformation of structures during their reconstruction or demolition
- survey of crane runways
- measurements and calculation of volumes of earthworks
- management of tunnel driving
- plumbing of vertical directions



Surveying in the cadastre of real estate

- preparation of survey sketches
- setting out property boundaries



Power station Ledvice



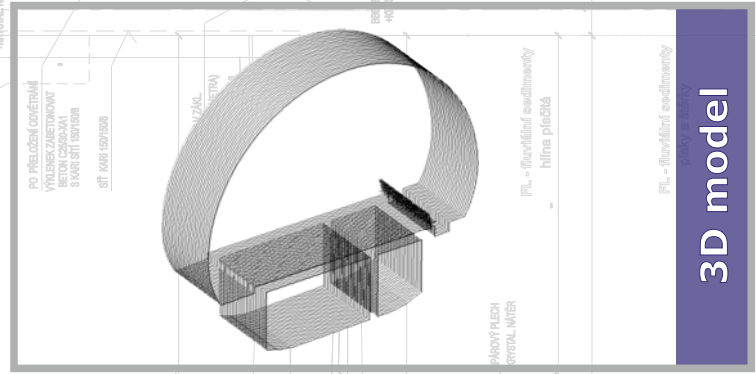
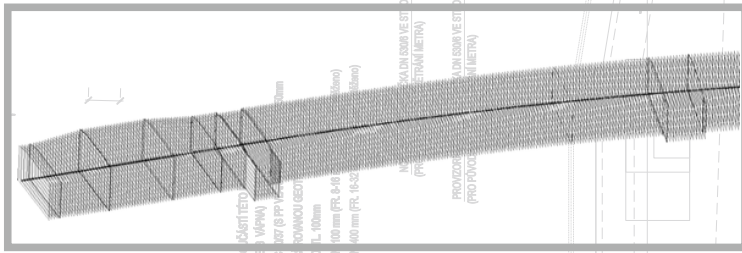
Subway station Střížkov



Troja bridge in Prague

Development of company's own technologies

- development of software applications
- development of technologies



3D model

The company has a developed, introduced and successfully operated system of quality management. The system fulfills the requirements of the standards ČSN EN ISO 9001:2009, including the supplementary requirements for suppliers of government institutions and NATO which are specified in the standard ČOS 051622(AQAP 2110). The company is prepared to fulfill contractual requirements for the management of the configuration and trouble-free maintenance of the supplied technological systems and products for their entire lifespan. The system of quality management was successfully certified by the auditors of Lloyd's Register Quality Assurance (LRQA) and by the Bureau of defence standardization, cataloguing and state quality control (Úř OSK SOJ) and the company is holder of the pertinent certificates.

- Certificate ČSN EN ISO 9001:2009 ENG
- Certificate ČSN EN ISO 9001:2009 CZE
- Certificate ČOS 051622 (AQAP 2110)

The company is co-manager of the development of special technologies and member of the group of Czech firms – holders of the industrial designs "Autonomous Communication System" and "Mobile Digital Topographical Information System" registered with the Bureau of Industrial Property of the Czech Republic.

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- ➔ 2 ea officially authorized surveyor
- ➔ 8 ea university graduate surveyor and cartographer
- ➔ 1 ea chief mining surveyor
- ➔ 6 ea mining surveyor



Geodetic GNSS Leica System 1200



Robotized total stations Leica
TCRP 1201+, TCRA 1201, TCRA 1101,
TCRA 1105+ a TCR 705 auto



Laser scanner Cyrax – Scan Station HDS 3600



Digital Levels DNA 03



Gyrotheodolite Gyromat 3000



Rotational lasers Rugby 200



Mechanical distimeter ETH for specially precise measuring of deformations (dilatation, stress in structures, ...)



Laser distance meters Leica A5