

RACK COMPLEX BLANKA



Construction of the city circle road in Prague
Myslbekova – Pelc Tyrolka

CCE
PRAHA



CONSTRUCTION PLAN

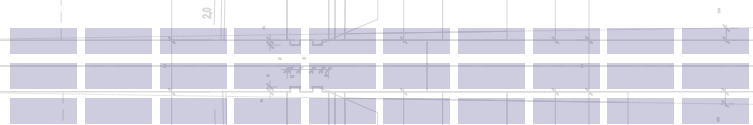


Surveying works

Construction of the city circle road in Prague Myslbekova – Pelc Tyrolka

This is a tunnel complex consisting of several tunnels, part excavated and part tunnelled. The overall length of the Blanka tunnel complex is 6 382m. One of its components is the longest continuous tunnelled work in our country, with a length of 2.23km.

The surveying works connected with this project pose strict requirements on the precision and quality of measurement.



Surveying works on the surface

- creation and initial survey of the basic setting-out network and its adjustment
- monitoring of the trenches
- control measurement of as-built execution and comparison with the design.



Surveying works underground

- Surveying of the basic setting-out network with forced centering in the tunnels
- Detailed setting-out of networks in the tunnels and their centering
- Control measurement during tunnelling
- Orientation of traverse sides in the tunnels by means of gyrotheodolite measurement
- 3D laser scanning of primary and final lining in the tunnels
- Creation of a 3D model and evaluation of the laser scanning, creation of contoured maps with colour marking of deviations from the design, and creation of cross-sections



Embossed tunnel



Isolation embossed tunnel

PRAGUE SUBWAY ETC.

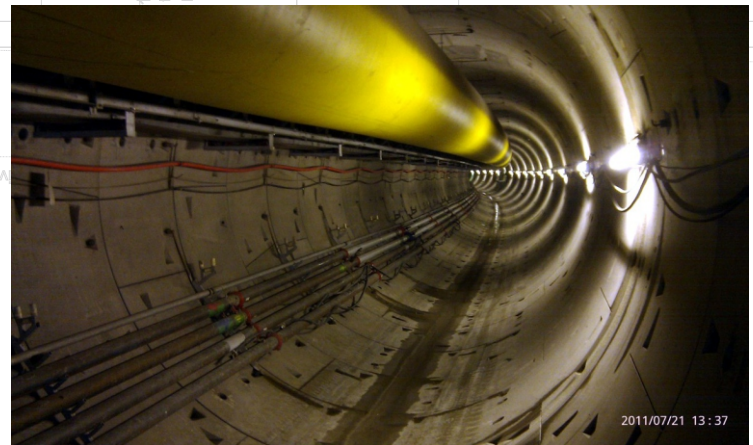
CCE Praha Ltd. is also build new line of Prague subway, also works in big construction places as power statins etc



Surveying works

Building of new line of Prague subway

- surveying for the calculation of geometric characteristics in Prague subway
- measuring of existing, current geodetics network audit of accuracy
- audit of actual implementation of tunnels



Special software works

- creation of 3D models in special software
- „TUNNEL EXPLORER“
- audit of actual implementation of tunnel complex Blanka
- measuring of existing, actual implementation and calculate differences from projected data

