Company profile

- Design, engineering and consultancy company specializing in complex solutions in the area of transport infrastructures, particularly railways, roads and motorways construction and municipal transport systems

- 60 years of experiences in Europe, Asia and Africa
- 266 employees (January 2013)
- Branch offices in Hradec Králové, Ústí nad Labem and Plzeň (CZ), Warsaw (PL), Sofia (BG)
- Integrated Management System (ISO 9001, ISO 14001, ISO 18001, ISO 27001)
- Using of modern design programs and the methods of three-dimensional modelling (Bentley Microstation, InRoads, RoadPAC, CADKON, IDA NEXIS)
Fields of specialisation

- Transport planning and economics
- Railway structures
- Roads, Motorways, Water-management structures
- Bridges, Tunnels, Engineering and Subterranean structures
- Architecture, Ground structures
- Overhead catenary line equipment, Power supply
- Telecommunications and Signaling
- Technical supervision and monitoring
- Surveys, Digitalisation, Engineering
- Geotechnics
- Environmental protection
Services provided

**Design preparation stage**
- Land planning, concepts, development plans, technical studies
- Feasibility studies
- Design visualisation
- Land, geological, ecological and other surveys, environmental studies
- Preliminary Design, Planning permit documentation
- Detail design, Building permit documentation

**Project execution stage**
- Tender Documentation
- Execution drawings
- Designer and site supervision
- Project management
- As-Built Documentation
Modernisation of railway corridors in Czech Republic

- increasing line speed to 160 km/h
- compliance with the UIC requirements on space possibility by loading gauge UIC GC (applies primarily to combined transport)
- compliance with the D4 loading class (axle load 22.5 tons)
- assumed operation of the tilting body trains

Overview of railway corridors in Czech Republic

I. German/Czech border – Děčín – Prague – Česká Třebová – Brno – Břeclav
   - Czech/Austrian border (Slovakia) 458 km
II. Austrian/Czech border – Břeclav – Přerov – Ostrava – Petrovice u Karviné
   - Czech/Polish border, with a branch Česká Třebová – Přerov 213 km
III. German/Czech border – Cheb – Pilsen – Prague – Olomouc – Ostrava – Petrovice u Karviné– Czech/Polish border (Slovakia), with a branch Pilsen – Česká Kubice 665 km
IV. German/Czech border – Děčín – Prague – Veselí n/L – Horní Dvořiště
   - Czech/Austrian border, with a branch Veselí n/L – České Velenice 365 km
New Link Prague

- **Project description:** Connection of 5 Prague railway stations, Central station, Masaryk Station, Liben station, Vysocany station and Holesovice station
- completed the reconstruction of the Prague railway junction and replaced technically and capacity-wise inadequate lines
- **Design stages:** Preliminary design, Detail design (1998-2002), Author’s supervision
- **Construction period:** 07/2004 – 07/2009
New Link Prague

Design: SUDOP PRAHA a.s.
Railway line „New link Prague“

3kV DC

Preliminary and Detail design

2009

Architect: Patrik Kotas
Prague Central railway station

Design: SUDOP PRAHA a.s.
Prague Ruzyně Airport connection

Design: SUDOP PRAHA a.s.
Project description:
Ring road around Prague, Lahovice – Slivenec (section 514) and Řepy- Ruzyně (section 517)
Section 517 is six-lane category R 34/120 ring road, 2.508 km long. Of this 1.003 km is on a flyover, which is the most important part of the construction.
Section 514 is four-lane category S27.5/100 road, 6.030 km long, 17 bridges
Design stage: Detail design
Construction period:
05/1999 - 06/2002 (517)
05/2006 – 09/2010 (514)
Ring road around Prague, Lahovice-Slivenec
**Project description:** Tunnels under Vítkov hill (part of New Link in Prague)

The entire excavated tunnel length is 2400 m - southern tube 1250 m and northern one 1150 m. Further 281 m were built in excavated construction pits. The maximum height of the rock cover is 45 m in the area 500 m from the eastern portal, in the area under the National Monument it is 42 m, the smallest height is in the area of the exit portal, where it is 4.5 m.

**Design stage:** Preliminary design, Detail design

**Construction period:** 05/2005 - 07/2008
Tunnels Vítkov

3kV DC
Preliminary and Detail design

Tunnel length 1150m

2009
Bridge over Mže river, 3rd railway corridor

Railway line Stribro – Plana, km 404.613. Steel bridge span 40m

Construction period: 2008 -2011
Railway station at Modlin airport, Poland

2011-2012
LTR Hong Kong

Detail Design

TIN SHUI WAI RESERVE ZONE EXTENSION – new construction with 7 stops, length 3 km

2001 - 2002

TIN SHUI WAI PHASE 4 EXTENSION – with 5 stops, length 2.5 km