

- 08/2015 – 09/2015 **Program adaptation for control and monitoring of Theater Tunnel in Frankfurt (Germany)**
- S7-400
 - WinCC OA
- 07/2015 – 03/2016 **Consulting for tendering process for the tunnel in Qatar, Qatar Education City (Siemens Munich, Qatar)**
- consultancy in the field of information system technologies and tunnel safety control
 - documentation creation
- 09/2015 – 02/2016 **Consulting for tendering process for the Liang Tang tunnel (Siemens Hong Kong)**
- consultancy in the field of information system technologies and tunnel safety control
- 08/2015 – 05/2016 **Consulting for creating solution and tendering process highway bypass D4/R7, Granvia Construction s.r.o. (Slovak Republic)**
- consultancy in the field of highway information systems technologies
 - solution design, documentation creation
- 07/2016 – 08/2017 **Automation system of tunnel fire ventilation with auxiliary systems for traffic management, Qatar Education City (Qatar)**
- 1xS7-400H, 2xS7-1200, 6xScalance XB205-3, 6xPAC3200, 2xTP900 Comfort
 - communication with master OMCC SCADA system through CP343 using IEC 60870-5-104
 - communication with CBS (Central Battery System) power supply backup system using BacNet protocol
 - creation auxiliary OMCC SCADA though WinCC OA 3.14
 - our services included:
 - analysis of technology and creation of solution covered by approved functional description of the system
 - PLC S7-400H/S7-1200/WinCC OA/TP900 programming
 - network configuration
 - realization of preFAT tests in our company, FAT tests conducting in Leipzig at cabinets manufacturers, commissioning in Qatar
 - project management and creation of documentation for all kinds of tests
- 10/2016 – 07/2017 **Consulting and solution creating for highway tunnels Liantang, Siemens Hong Kong (China)**
- consultancy in field of highway and tunnel information systems technologies

- solution development, creating of design documentations approved by customer, presentation of solution to customer in Hong Kong
- creating of documentation for testing central control system as well as individual subsystems

03/2016 – 07/2017

Programming of modules for Central Control System of the Liantang highway tunnels, Siemens Hong Kong (China)

- programming of modules in WinCC OA 3.14
- integration to the ITCC system from Siemens company