

- 06/2014 – 07/2014     **Palletization line for PPF Dunajsky Klatov (Slovak Republic)**
- VIPA 300
  - step motors control, serial communication with frequency converters
  - Profibus communication with robot ABB
  - touch panel MP277, Ethernet communication with CPU
- 06/2014 – 07/2014     **Conveyor technology and CNC treatment for manufacturing of castings, SGM Nematik, Ziar nad Hronom (Slovak Republic)**
- S7-300
  - DPDP Coupler communication with other systems
  - Profibus communication with ABB robots and GROB CNCs
  - touch panel MP277
- 10/2014 – 03/2015     **Extension of conveyor technology and CNC treatment Nematik Ziar nad Hronom, SGM (Slovak Republic)**
- 2 x S7-300
  - DPDP Coupler communication with other systems
  - Profibus communication with ABB robots and GROB CNCs
  - mobile touch panel MP377
- 06/2015 – 08/2015     **Palletization line for PPF Veseli nad Luznici (Czech Republic)**
- S7-300
  - communication with robot ABB
  - Siemens TP1200
- 09/2015 – 01/2016     **Conveyor technology and CNC treatment for manufacturing of castings, Chrysler Nematik, Ziar nad Hronom (Slovak Republic)**
- S7-300
  - DPDP Coupler communication with other systems
  - Profibus communication with ABB robots and GROB CNCs
  - touch panels MP277, TP1200
  - camera scanning of the codes and laser writing of the generated code on the motor blocks
- 04/2016 – 09/2016     **Control and monitoring of mirror gluing line, IKEA Malacky (Slovak Republic)**
- S7-1500, Ethernet communication with touch panel KTP900 and WinCC SCADA
  - Communication with SICK Safety PLC on Profinet
  - Communication with robots ABB and Lenze FM on Profinet
  - PN-PN Profinet Coupler communication with other systems
  - our services included:
    - analysis of technology and creating solution with approved system and functional design
    - programming of PLC and HMI, commissioning, training

11/2016 – 03/2017

**Control and monitoring of conveyor technology line for processing of castings (FORD, SGM) by means of CNC, NEMAK, Ziar nad Hronom (Slovak Republic)**

- S7-300, Touch panel SIEMENS KTP1200 and mobile touch panel KTP900 on Ethernet
- Communication with SICK Safety PLC on Profibus
- Profibus communication through DPDP Coupler with other systems
- Profibus communication with robots ABB and CNC of GROB company
- our services included:
  - analysis of technology and creating solution with approved system and functional design
  - programming of PLC and HMI, commissioning, training

02/2016 – 05/2017

**Control and monitoring of conveyor technology line for processing of castings (AUDI HS) by means of CNC, NEMAK, Ziar nad Hronom (Slovak Republic)**

- 2x S7-300
- 2x Touch Panel SIEMENS KTP1200 on Ethernet
- Communication with SICK Safety PLC on Profibus
- Profibus and Profinet communication with Robots ABB and CNCs GROB
- Profinet communication with camera Keyence DataMan 260
- Ethernet communication with laser writer Masca
- our services included:
  - analysis of technology and creating solution with approved system and functional design
  - programming of PLC and HMI, commissioning, training