



Course 3: Training „Controls of Sortation Systems“

- Target group:** Skilled staff of the electrical engineering sector for the maintenance and servicing of the sorting system.
- Target:** The maintenance and servicing personnel should become acquainted with the control technical functions of the sorting system and should get to know and understand the mode of operation of the electrical equipment.
The staff should be able to locate systematically damaged components, to replace them and to make adjustments at the components being replaced
- Preconditions:** Course 2 training „Operating of Sorting Systems for Skilled Staff“ ; Expert knowledge of electrical engineering.
- Duration:** According to the size of the system 1 - 2 days à 7.0 hours
- Number of participants:** max. 6 persons
- Location:**
- Rooms for imparting theoretical knowledge at the customer.
 - On site at the installation for imparting practical knowledge. (The sorting system has to be available for the practical training)
- Training material:** 1 copy per participant
- Theoretical training program:**
- Explanation and application of the electrical layout
 - Detailed introduction to the equipment identifying system
 - Explanation and application of the circuit diagrams, terminal diagrams, cable- and equipment list
 - Installation of control cabinet and electrical installation
 - Introduction to the control technical components based on the documentations of the manufacturer
 - Introduction to sensor and actor technology of the installation
 - Bus configuration and configuration of the field level
 - Bus configuration and configuration of the control level
 - Procedure for spare parts stockage and ordering by means of the equipment list
 - Procedure of the trouble shooting
- Practical training program:**
- Becoming acquainted with the installation based on electrical layout and the equipment identifying system
 - Replacement, adjustment and positioning of sensors and actuators
 - Handling of the parameter setting at the components
 - Trouble shooting on the basis of case studies