

Content of Training

Target Group

Persons from the departments planning, commissioning, maintenance and service

Content

- Overview on Applicable Norms (EN50310)
- Definitions and Delimitation: Network Types (TN-C, TN-S, IT), Potential Equalisation, Grounding, Shielding, EMC, High-frequency, Low-frequency
- Principles of Electromagnetic Field
- Mode of Shield Operation to Protect against Electromagnetic Fields
- Operating Principle and Differences between Shielding of FC line/Signal line
- Where do high-frequency currents on shielded lines typically come from?
 - measuring devices and practical measurements
 - suitable countermeasures
- Principles of Equipotential Bonding/Grounding
- Where do low-frequency currents on Shielded lines typically come from?
 - measuring devices and practical measurements
 - suitable countermeasures
- Empirical values of Indu-Sol in terms of a long-term, Safe data communication

Prerequisites

The training is structured so that all participants can be made acquainted with the subject of EMC and potential equalisation in a straightforward manner. Electrotechnical basics are recommended.

General Remarks

Your training participation is confirmed by an Indu-Sol certificate.