SITRAIN Learning Event – TIA-SERV2
SIMATIC Service 2 in the TIA Portal

Course description

The second part of the SIMATIC TIA Portal service training is based on the knowledge of the TIA Portal gained in the SIMATIC TIA Portal service 1 course, including SIMATIC STEP 7, HMI, connection of drives, and PROFINET IO.

Duration: 5 days	MYR 4600.00/pax

*Minimum 6 participants to start public class

Content & learning objectives

- Hardware diagnostic functions of the TIA Portal in the SIMATIC S7 automation system
- Software diagnostic functions of the TIA Portal in the SIMATIC S7 automation system
- Possible applications of various block types (function (FC), function block (FB), organization block (OB), data block (DB))
- Principles of analog value processing
- Sequence control with S7-Graph
- Commissioning of distributed I/O on PROFINET IO
- Alarm configuration in WinCC
- Parameterization of the drive
- Test functions in Structured Control Language (SCL)
- Deeper understanding of contents through practical exercises on the SIMATIC S7-1500 system model

Target group

- Maintenance personnel
- Service personnel
- Operators

Requirements

- Knowledge of SIMATIC S7 equal to TIA-SERV1
- Practical experience in using the knowledge

SIEMENS