TIA – Seminars

The road to an automated machine.

A guide for manufacturers and operators.

Module 2: TIA portal training for beginners

Module description:
Expand your tools of the trade in Module 2, where you will learn how to use structured data processing and implement sustainable source codes. The module will also give you the skills you need to design specific source codes for machines (basic programming) and improve your program structure.

Contents:

Presentation of the exercise scenario

Hardware interface
- The conventional way
- How it could be better

The path to the database
- Introduction
- Properties
- Project and database

The management of the data
- Software architecture
- Library conformance
- Block interface
- Further tips

The presentation
- Image creation
- Scalability on the HMI
- Faceplates

Structures and basic functions
- Project structuring
- Creating a project structure
- Basic functions of a framework
- Simple operating modes

Teamwork
- Libraries and typing
- Updating types
- Project server and joint project work

Duration:
- 16 h

Required:
- Your own laptop for the session
- If you cannot bring a computer, it is possible to get a computer.
- Please contact us in advance.
- TIA Portal V18 with WinCC Advanced and PLCsim
- Recommendation:
  - Basic awareness of how hardware is used in a machine

Trainers:
- Frederick Keymer-Eickelkamp

Training location:
- At our Duisburg location
- At your location
- plus travel expenses
- Online

Certificate of participation:
- Digital for online training courses, paper for face-to-face training courses

Training materials:
- Digital

Number of participants
- Max. 6 people

Price:
- 940 € per participant (plus travel expenses)