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Course Details

**Totally Integrated Automation (TIA)
in the Digital Enterprise**

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**TIA with Micro PLC Level 1 Customized
(TIA-MICRO1C) 5 days**

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Requirements

The target group of this course is comprised of configuration engineers, project planners and decision-makers working in small, medium-sized and large-scale industrial companies, who are working on end-to-end digitalization concepts.

Description / Objectives

Digitalization (or Industrie 4.0) know-how is now introduced through Computer-assisted technologies (Cax) and cloud technologies. It is founded on the basics of automation, such as digital technologies, PLC and information technologies, and on advanced automation and industrial communication technologies.

This course is offered to understand the innovative leadership and management methods to accelerate the Digital Transformation. Participants who are involved with “getting started”, developing or maintaining automation systems and their application programs.

Content

- Digitalization - Industry 4.0
- Automatic execution of engineering tasks
- Integration of automation engineering
- Efficient cloud-based engineering
- Virtual commissioning
- Integrated energy management
- Protection of machines and plants
- Data acquisition for cloud services

Target Group

Entrepreneurs, SMEs Owner, Technical/ Maintenance Manager, Programmers.

Contact Information

SIEMENS MALAYSIA SDN. BHD. (93008-X)
HRDF Training Provider ID: 13213/82

Digital Industries,
SITRAIN Training Room,
Level 15-1, CP Tower, No. 11, Jalan 16/11,
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46350 Petaling Jaya, Selangor.

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E-mail: industry.my@siemens.com
e-Pass: <https://siemens.asia/e-pass v2/ASEAN/main/>
Website: siemens.com.my/SIRT

Bank Details

Bank Name: Deutsche Bank (M) Bhd
Bank Account Number : 0020768000
Bank Address : 18th – 20th Floor, Menara IMC 8,
Jalan Sultan Ismail,
50250, Kuala Lumpur
Bank Swift Code : DEUTMYKLXXX

Daywise Schedule

Day	Time	Topics
Day – 1	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Industrie 4.0 Overview IOT & Cyber Physical – examples Cyber Physical Production Digitisation
Day – 2	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	System Architecture Overview Training Unit Firmware Configuration
Day – 3	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Devices and Networks PLC Tags Programming Blocks and Editor Binary Operations
Day – 4	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Digital Operation Introduction to HMI Introduction to Programming HMI Practical and Exercises
Day – 5	09:00 Hrs – 10:00 Hrs 10:00 Hrs – 12:00 Hrs 12:00 Hrs – 12:30 Hrs	HMI Connection and Download Communication with PLC Summary & Feedback

Break Timings:

10:00 Hrs – 10:15 Hrs	Morning Tea Break
12:00 Hrs – 13:00 Hrs	Lunch Break
15:00 Hrs – 15:15 Hrs	Afternoon Tea Break
17:00 Hrs – 17:15 Hrs	Recess & End of Day