



**LEADING IN AUTOMATION**

# **COURSE CATALOGUE 2025**

May 2026

## Industrial software

**TIA1:**  
Hardware configuration and programming basics

approx. 24 h

**CVT1:**  
Conversion from WinCC Comfort/Adv. to WinCC Unified

approx. 24 h

**TIA2:**  
Software architecture & development

approx. 16 h

**STD1:**  
Getting started with the SCIO Controls Standard

approx. 4 h (Opt. +4h practice)

**TIA3:**  
Standard development & data handling

approx. 12 h

**STD2:**  
Create your own layouts & devices

approx. 12 h

**ROB1:**  
Basic course Fanuc robots

approx. 36 h

**CVT2:**  
Conversion from TIA Portal to Simatic Manager (S7 Classic)

Ca. 16 h

## Safety services

**SAF1:**  
Basics of the Machinery Directive

approx. 8 h

**SAF4:**  
In-depth SISTEMA course

approx. 8 h

**SAF2:**  
Fundamentals of Fail-safe controllers

approx. 8 h

**SAF5:**  
The fundamentals of ESPE and validation

approx. 4 h

**SAF3:**  
Practical exercises on the training cell

approx. 8 h

**SAF6:**  
Programming with PNOZmulti Configurator

approx. 8 h

**CVT3:**  
Conversion from the Machinery Directive to the Machinery Regulation

approx. 8 h

## IT/OT Security

**SEC1:**  
Security Awareness for Operating Personnel

approx. 8 h

## Learning paths

**Software Engineer**

approx. 64 h

## TIA1

Use of the Siemens TIA Portal and introduction to hardware configuration, programming and HMI configuration (theory + exercises)

# HARDWARE CONFIGURATION AND PROGRAMMING BASICS

# TIA1: HARDWARE CONFIGURATION AND PROGRAMMING BASICS

1.410 €\*

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\*Price applies to planned appointments

## Overview

### Short description:

Use of the Siemens TIA Portal and introduction to hardware configuration, programming and HMI configuration (theory + exercises)

### Implementation:

- Remote
  - half days
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 18 – 24 Hours

### Contents:

- The development environment
- Basic functions without a project
- A new project and project administration
- Hardware configuration
- The Siemens CPU
- Software development - Part 1
- Software development - Part 2
- HMI
- More details

### Profile:

- Apprentices
- Students
- Developer

# TIA1: HARDWARE CONFIGURATION AND PROGRAMMING BASICS – CONTENTS IN DETAIL

## The development environment

- Portal and project view
- Organization and settings
- GSD and GSDML
- Automation License Manager
- Software updates
- External applications

## Basic functions without project

- Connectivity
- Online access
- Online & Diagnostics
- Program blocks and PLC data types in the online view

## A new project and project administration

- Create project
- Archiving and dearchiving
- Delete project
- The project navigation
- The inspector window

## Hardware configuration

- Create new device
- Replace devices
- The device and network portal
- The network view
- The device view
- Loading the hardware configuration
- Connect online
- The topology view

## The Siemens CPU

- Program structure
- Cycle, process image and cycle time
- Project navigation
- Device settings
- PLCSim

## Software development - Part 1

- Focus of software development
- Program blocks
- Creating blocks
- Programming languages
- Data types

## Software development - Part 2

- Help functions
- Block interfaces
- Data structures
- Structure and handling

## HMI

- What is an HMI
- Siemens HMI
- Hardware configuration
- Engineering and user interface
- HMI variables
- Simulation scenarios
- Extended functions

TIA2

Introduction to the construction and structuring of software based on the architecture pattern Model-View-Controller (theory + exercises)

The logo for SCIO AUTOMATION, featuring the word "SCIO" in a large, bold, black sans-serif font with a red dot above the "I", and the word "AUTOMATION" in a smaller, red, all-caps sans-serif font directly below it.

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The background of the slide is a photograph of an industrial factory interior. The top half is tinted with a warm orange glow, while the bottom half is tinted with a cool blue glow. The image shows complex machinery, overhead conveyor systems, and structural beams.

## SOFTWARE ARCHITECTURE & DEVELOPMENT

# TIA2: SOFTWARE ARCHITECTURE & DEVELOPMENT



\*Price applies to planned appointments

## Overview

### Short description:

Introduction to the construction and structuring of software based on the architecture pattern Model-View-Controller (theory + exercises)

### Implementation:

- Remote
  - half days
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 14 – 16 Hours

### Contents:

- Presentation of the training scenario
- Hardware interface
- The path to the database
- Data management
- The presentation
- Structures and basic functions
- Teamwork
- More details

### Profile:

- Apprentices (with TIA1)
- Students (with TIA1)
- Developer (with TIA1)

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## Presentation of the training scenario

### Hardware interface

- The conventional way
- How could it go better

### The way to the database

- Introduction
- Properties
- Project and database

### The management of data

- Software architecture
- Library conformity
- Block interface
- Further tips

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## The presentation

- Creating an Image
- Scalability on the HMI
- Faceplates

## Structures and basic functions

- Project structuring
- Create project structure
- Basic functions of a framework
- Simple operating modes

## Teamwork

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

TIA3

Introduction to standard development - data handling and the resulting software architecture as well as higher programming methods (theory + exercises)



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# STANDARD DEVELOPMENT & DATA HANDLING

# TIA3: STANDARD DEVELOPMENT & DATA HANDLING



## Overview

### Short description:

Introduction to standard development - data handling and the resulting software architecture as well as higher programming methods (theory + exercises)

### Implementation:

- Remote
  - half days
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 10 – 14 Hours

### Contents:

- Libraries and version controlling (PLC + HMI)
- Optimized and non-optimized data and function blocks
- AT declarations and slice accesses
- The Variant data type
- The Array data type\*
- Dynamic software concepts with Variant and Array\*
- Software units

### Profile:

- Senior Developer

## CVT1

Course for switching from WinCC Comfort or Advanced to WinCC Unified via differential learning. (theory + exercises)

# CONVERSION FROM WINCC COMFORT/ADV. TO WINCC UNIFIED

# CVT1: CONVERSION FROM WINCC COMFORT/ADVANCED TO WINCC UNIFIED

1.410 €\*



\*Price applies to planned appointments

## Overview

### Short description:

Course for switching from WinCC Comfort or Advanced to WinCC Unified via differential learning. (theory + exercises)

### Implementation:

- Remote
  - half days
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 18 – 24 Hours

### Contents:

- Why WinCC Unified
- The new hardware
- Changes and innovations in project engineering
- Encrypted transfer
- Screen navigation with WinCC Unified
- Faceplates
- Control (user administration/parameter set types)
- Messages
- More details

### Profile:

- Students (with TIA1+TIA2 or comparable)
- Developer (with TIA1+TIA2 or comparable)

# CVT1: CONVERSION FROM WINCC COMFORT/ADVANCED TO WINCC UNIFIED



## What's new about WinCC Unified

- Why WinCC Unified?
- Presentation of the Unified Hardware Panels
- Changes and innovations in project engineering
- Helpful tools

## Working with WinCC Unified

- Hardware and connection
- Load with "Encrypted transfer"
- Screen windows
- Navigation with screen windows
- Complex navigation with more than one navigation level (burger menu)
- Faceplates
- Nested faceplates
- User administration
- Parameter set types (recipes)
- messages

## CVT2

This course teaches participants how to work confidently with projects in SIMATIC Manager. Participants will learn a safe approach to working with the relevant legacy systems (S7-300/S7-400). (Theory + exercises)

# CVT2: CONVERSION FROM TIA PORTAL TO SIMATIC MANAGER (S7 CLASSIC)

# CVT2: CONVERSION FROM TIA PORTAL TO SIMATIC MANAGER (S7 CLASSIC)



\*Price applies to planned appointments

## Overview

### Short description:

This course teaches participants how to work confidently with projects in SIMATIC Manager. Participants will learn a safe approach to working with the relevant legacy systems (S7-300/S7-400). (Theory + exercises)

### Implementation:

- Remote
  - half days
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 14 – 16 Hours

### Contents:

- Differences between TIA and S7 Classic
- Creating new projects
- Programming and function block creation
- Structuring program blocks
- Using SCL
- WinCC flexible
- Procedure for legacy systems
- More details

### Profile:

- Maintenance Technician (with TIA1+TIA2 or equivalent)
- Developer (with TIA1+TIA2 or equivalent)

# CVT2: CONVERSION FROM TIA PORTAL TO SIMATIC MANAGER (S7 CLASSIC)

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## Differences between TIA and S7 Classic

- Individual editors and tools instead of “Totally Integrated”
- Consistency

## Creating new projects

- Creating a new project and initial hardware
- Exercise 1: New basic project

## Programming and function block creation

- Your first custom function block
- Exercise 2: First program code

## Structuring program blocks

- Creating structures in SIMATIC Manager
- Exercise 3: Program with structures

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## Using SCL

- Creating and testing SCL code
- Exercise 4: SCL in action
- Why use SCL in SIMATIC Manager?

## WinCC flexible

- Objects and structures in WinCC Flex
- Exercise 5: WinCC Flex in action

## Procedure for legacy systems

- Safe procedure for legacy systems
- Exercise 6: Creating an online backup

## Tips and tricks

## STD1

How to navigate in the SCIO Controls Standard, the use of standard modules, the implementation of process sequences and strategies for diagnosis (theory)



# GETTING STARTED WITH THE SCIO CONTROLS STANDARD

# STD1: GETTING STARTED WITH THE SCIO CONTROLS STANDARD



## Overview

### Short description:

How to navigate in the SCIO Controls Standard, the use of standard modules, the implementation of process sequences and strategies for diagnosis (theory)

### Implementation:

- Remote
  - half day
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 4 Hours

### Contents:

- Why is standardization important?
- Structure (line, automatic function, process module)
- Codiquette
- Beginners Guide
- The HMI
- Basics of process sequences
- Basics of devices/components
- More details

### Profile:

- Apprentices (with TIA1+TIA2)
- Students (with TIA1+TIA2)
- Developers (with TIA1+TIA2)

# STD1: GETTING STARTED WITH THE SCIO CONTROLS STANDARD



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## Introduction

- Why is standardization important?
- Structure (line, automatic function, process module)
- Codiquette
- Operating modes and states

## Beginners Guide

- Software units (depending on STD version)
- Constants in STD
- Specification Devices & Components
- Text lists in the STD
- Messages and diagnostics

## The HMI

- Demonstration of the structure
- Demonstration of the menus
- Demonstration of the functions

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## Basics of process step chains

- Create new process sequences
- Calling up new process sequences
- Faceplates
- Messages
- Wait steps

## Basics Devices/Components

- General structure and properties
- Standard handshake and data model
- The controller (function module)
- HMI representation (Faceplate)
- Use of the elements

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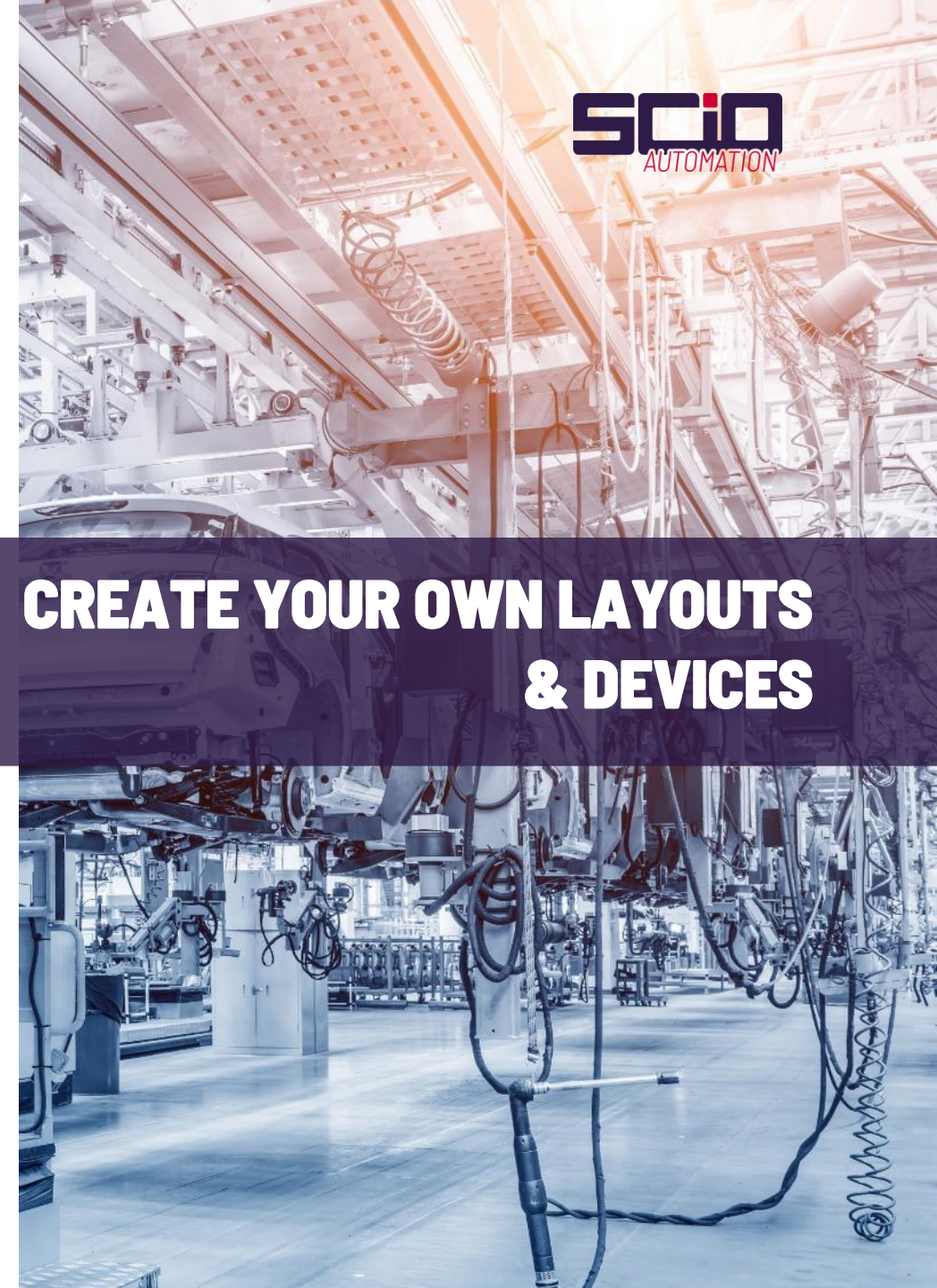
## Option

An additional introduction to a specific machine or system can be booked if required. Participants will be introduced to the specific structure and where necessary special implementations.

**Duration:** approx. 4 h

## STD2

Introduction to creating your own system layouts and creating your own devices in the SCIO Controls Standard (theory)



# STD2: CREATE YOUR OWN LAYOUTS & DEVICES



## Overview

### Short description:

Introduction to creating your own system layouts and creating your own devices in the SCIO Controls Standard (theory)

### Implementation:

- Remote
  - half days
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 10 – 12 Hours

### Contents:

- Structure (line, automatic function, process module)
- Codiquette in detail
- Definition & structure of device
- Creation of the device components
- Layouting a machine/plant
- Creating new process modules
- Creating new automatic functions
- More details

### Profile:

- Students (with TIA1+TIA2+STD1)
- Developers (with TIA1+TIA2+STD1)

# STD2: CREATE YOUR OWN LAYOUTS & DEVICES

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## Structure (line, automatic function, process module)

### Codiquette in detail

- Program elements and structure
- Creator Language
- Programming languages
- Digital inputs and outputs
- Siemens system functions
- Instance data blocks
- Symbols, comments and general rules
- Data storage in the process module

### Definition & Structure Device

- Model-View-Controller
- Structure of the database
- Structure of the faceplate
- Structure of the driver block
- Handshake

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## Creation of the device elements

- Creation of the database
- Creation of the driver block
- Creation of the faceplate

### Layouting a machine/plant

- Examples from existing projects
- Layouting on a specific new system (optional)

### Creating new process modules

- Configuration
- Source code upgrade
- Upgrade HMI project engineering

### Creating new automatic functions

- Configuration
- Source code upgrade
- Upgrade HMI project engineering

SAF1

Basic knowledge and requirements of machine directives and standards.



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# BASICS OF THE MACHINERY DIRECTIVE

# SAF1: BASICS OF THE MACHINERY DIRECTIVE



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## Overview

### Short description:

Basic knowledge and requirements of machine directives and standards.

### Implementation:

- Remote
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 6 – 8 Hours

### Contents:

- European directives, national laws, standards
- Risk assessment
- Risk reduction in the 3-step method
- Testing, validation and placing the machine/plant on the market
- Responsibility of the operator
- Dealing with old machines
- Machine/plant as a whole

### Profile:

- Apprentices
- Students
- Developers
- Responsible person (e.g. management)

## SAF2

Implementing and configuring required safety measures for safety control systems.

# FUNDAMENTALS OF FAIL-SAFE CONTROLLERS

# SAF2: FUNDAMENTALS OF FAIL-SAFE CONTROLLERS



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## Overview

### Short description:

Implementing and configuring required safety measures for safety control systems.

### Implementation:

- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 6 – 8 Hours

### Contents:

- Configuring fail-safe control systems
- I/O module configuration
- Safety administration
- Methods for SAFETY programming
- Testing and validation

### Profile:

- Apprentices (with TIA1+TIA2+SAF1)
- Students (With TIA1+TIA2+SAF1)
- Developers (With TIA1+TIA2+SAF1)

SAF3

Commissioning and testing an Fail-safe control system.



## PRACTICAL EXERCISES ON THE TRAINING CELL

# SAF3: PRACTICAL EXERCISES ON THE TRAINING CELL



\*Price applies to planned appointments

## Overview

### Short description:

Commissioning and testing an Fail-safe control system.

### Implementation:

- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site **(on request)**

Duration: 6 – 8 Hours

### Contents:

- Presentation of the tmp training cell
- Presentation of the required technical documentation
- Practical exercise 1-10
- More details

### Profile:

- Apprentice (With TIA1+TIA2+SAF1+SAF2)
- Students (With TIA1+TIA2+SAF1+SAF2)
- Developers (With TIA1+TIA2+SAF1+SAF2)

# SAF3: PRACTICAL EXERCISES ON THE TRAINING CELL



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## Presentation of the SCiO training cell

## Presentation of the required technical documentation

### Practical exercise 1

- Project engineering/configuration of the Fail-Safe-PLC

### Practical exercise 2

- Assigning the Profisafe address

### Practical exercise 3

- Configure I/O modules

### Practical exercise 4

- Configure Safety Administration

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### Practical exercise 5

- Create variables according to Eplan, comments

### Practical exercise 6

- Programming safety functions

### Practical exercise 7

- Commissioning enabling switch

### Practical exercise 8

- Troubleshooting

### Practical exercise 9

- Check using the shutdown matrix

### Practical exercise 10

- Open points, practical examples

SAF4

How to use SISTEMA software effectively to reduce risk in a systematic way.

The logo for SCIO AUTOMATION, with 'SCIO' in a large, bold, black font and 'AUTOMATION' in a smaller, red font below it.

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A dark blue, semi-transparent rectangular box containing the text 'IN-DEPTH SISTEMA COURSE' in white, bold, uppercase letters.

**IN-DEPTH SISTEMA COURSE**

# SAF4: IN-DEPTH SISTEMA COURSE



\*Price applies to planned appointments

## Overview

### Short description:

How to use SISTEMA software effectively to reduce risk in a systematic way.

### Implementation:

- Remote
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 6 – 8 Hours

### Contents:

- Introduction and exercise
- SISTEMA, supporting all the following examples
- SISTEMA examples and exercises
- Special features, tips, effective working
- Project process and documentation
- More details

### Profile:

- Electrical planner

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## Introduction and exercise

- Two-channel example circuit, determination of the safety-related block diagram
- Determination of Kat, MTTFD, DC, CCF, PFHD, performance level (PL)

## SISTEMA, supporting all of the following examples

- Structure, functions, possibilities
- Definition of projects and security functions, risk assessment
- Structure formation, data input
- Determination of PFHD and PL
- Use of manufacturer libraries
- Creating your own libraries
- Documentation printout
- Background knowledge, expert settings
- Q&A session, discussion

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## SISTEMA examples and exercises

- single-channel structure
- two-channel structure
- SISTEMA examples: various structures and variants, safety PLC, safe bus systems

## Special features, tips, effective working

- Series connection of door switches
- Working with many actuators
- Single-channel wiring in a two-channel structure
- Tips: Performance level not reached... What next?

## Project process and documentation

SAF5

Plan and integrate electro-sensitive protective equipment.



## THE FUNDAMENTALS OF ESPE AND VALIDATION

# SAF5: THE FUNDAMENTALS OF ESPE AND VALIDATION



## Overview

### Short description:

Plan and integrate electro-sensitive protective equipment.

### Implementation:

- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 4 Hours

### Contents:

- Overview / Summary Basics of the MRL 2006/42/EC
- Presentation of "safety standards" with regard to the ESPE
- Testing, who is qualified? How does the implementation work?
- Risk assessment
- Testing of safety light grids
- Overrun measurement (NLM)

### Profile:

- Commissioning engineer
- Electrician (assembler)

SAF6

Configurator Design and integrate a PILZ safety control system.



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# PROGRAMMING WITH PNOZMULTI CONFIGURATOR

# SAF6: PROGRAMMING WITH PNOZMULTI CONFIGURATOR

Individual  
appointment



## Overview

### Short description:

Configurator Design and integrate a PILZ safety control system.

### Implementation:

- Remote
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 6 – 8 Hours

### Contents:

- Overview / Summary Basics of the MRL 2006/42/EC
- Introduction: The PILZ safety controller
- Introduction to the PNOZmulti Configurator
- Example tasks
- Troubleshooting and fault rectification
- Transferring the safety program
- Checking the safety program

### Profile:

- Apprentices
- Students
- Developers

## ROB1

The basic course provides basic knowledge in the operation, programming and safety of Fanuc robots.



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# BASIC COURSE FANUC ROBOTS

# ROB1: BASIC COURSE FANUC ROBOTS

Individual  
appointment



## Overview

### Short description:

The basic course provides basic knowledge in the operation, programming and safety of Fanuc robots.

### Implementation:

- Presence
  - At SCIO Automation Duisburg GmbH

Duration: 34-36 Hours

### Contents:

- Basics and components
- Operate the robot safely
- System setup and calibration
- Practice-oriented programming
- System maintenance and security
- More details

### Profile:

- Operator
- Maintainer
- Software developer
- Students

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## Basics and components

- Layout and function of the individual system components of an industrial robot

## Operate the robot safely

- Collision-free manual movement of the robot (referencing)
- Moving to, saving and correcting positions
- Working in different coordinate systems (e.g. world, user, tool)

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## System setup and calibration

- Precise calibration of a tool (TCP - Tool Center Point)
- Setting up a user coordinate system

## Practice-oriented programming

- Creation, testing and correction of simple automatic programs
- Use of counters for program sequence control
- Conditional branches and jumps in the program
- Use of inputs and outputs for communication with the periphery

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## System maintenance and security

- Analysis and handling of error messages
- Carrying out a data backup of programs and configurations

## SEC1

Raise awareness of cyber and OT security risks, promote safe behavior in everyday life.



# SECURITY AWARENESS FOR OPERATING PERSONNEL

# SEC1: SECURITY AWARENESS FOR OPERATING PERSONNEL



\*Price applies to planned appointments

## Overview

### Short description:

Raise awareness of cyber and OT security risks, promote safe behavior in everyday life.

### Implementation:

- Remote (with Webcam)
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

Duration: 7-8 hours

### Contents:

- Welcome & Introduction
- Fundamentals of cyber security
- Secure handling of passwords and accounts
- Handle devices and data securely
- OT security – the link between IT and plant systems
- Detecting & responding to security incidents
- Safety culture in everyday life
- Conclusion & Feedback
- More details

### Profile :

- plant operator
- maintenance technician
- operating personnel

# SEC1: SECURITY AWARENESS FOR OPERATING PERSONNEL



## Welcome & Introduction

- Introduction and aim of the course
- Why security awareness is so important for operational staff
- Brief practical examples of recent incidents
- **Interaction:** Introductions – "Where do you see potential risks in your everyday life?"

## Fundamentals of cyber security

- How attacks arise and where they start
- Phishing, social engineering, and malware
- Examples from everyday life
- **Interactive** phishing quiz

## Secure handling of passwords & accounts

- Secure passwords – practical methods
- Multi-factor authentication (MFA) explained in simple terms
- **Exercise:** "How strong is my password?"

## Handle devices and data securely

- Handling USB sticks, mobile devices, updates
- Data protection in the workplace
- **Interaction:** "Can I or can't I?"

## OT security – the link between IT and plant systems

- Differences between IT and OT
- Why a virus in the office can also affect the system
- Typical weaknesses in practice
- **Group work:** "What happens if our control system fails?"

## Detecting & responding to security incidents

- How can I recognize an attack?
- Correct behavior in case of suspicion or disturbance
- **Interactive** case study exercise: "What to do if...?"

## Safety culture in everyday life

- Why everyone is part of the security chain
- Role model function of experienced employees
- **Joint development:** "Our 5 safety rules"

## Conclusion & Feedback

- Short knowledge check (playful)
- Feedback session & summary
- Issuance of participation documents

## CVT3

Compact overview of the transition from the Machinery Directive to the new Machinery Regulation.



# CONVERSION FROM THE MACHINERY DIRECTIVE TO THE MACHINERY REGULATION

# CVT3: CONVERSION FROM THE MACHINERY DIRECTIVE TO THE MACHINERY REGULATION



\*Price applies to planned appointments

## Overview

### Short description:

Compact overview of the transition from the Machinery Directive to the new Machinery Regulation.

### Implementation:

- Remote
  - full days
- Presence
  - At SCIO Automation Duisburg GmbH
  - At the customers site

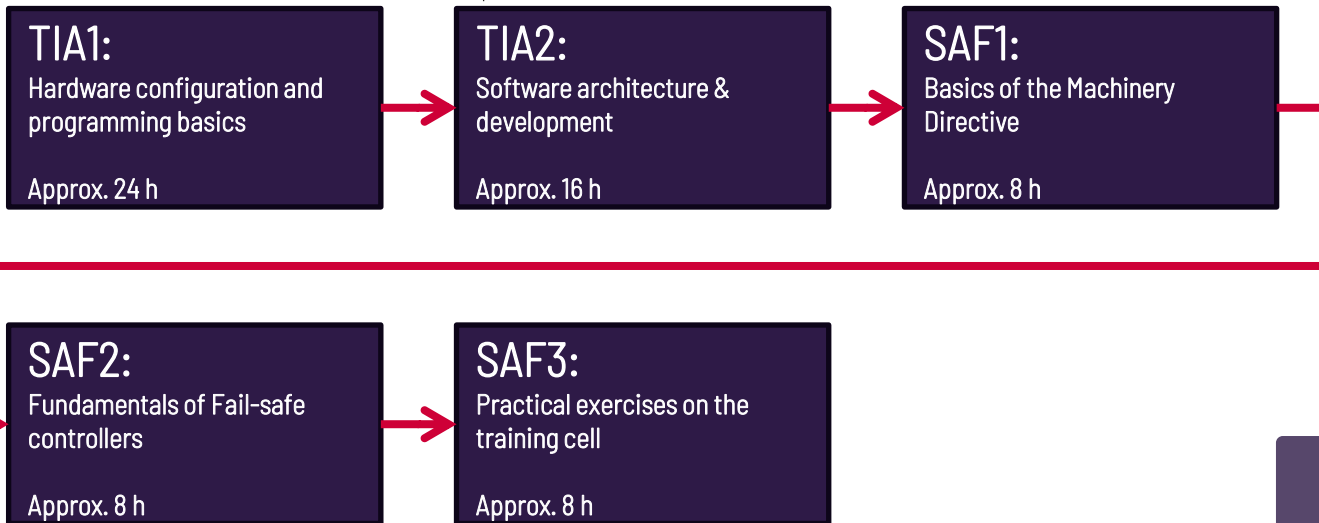
Duration: 6 - 8 Hours

### Contents:

- Terms and definitions
- History/forecast
- Digital operating instructions
- basic safety and health requirements
- partly completed machinery
- substantial modification
- assemblies of machinery
- Notes in the context of “procurement”

### Profile:

- Basic knowledge of the machine directive
- Apprentices
- Students
- Developer
- Responsible person (e.g. management)



## LEARNING PATH - SOFTWARE ENGINEER

### Package price:

In case you book the entire learning path, the package is discounted by 10%!



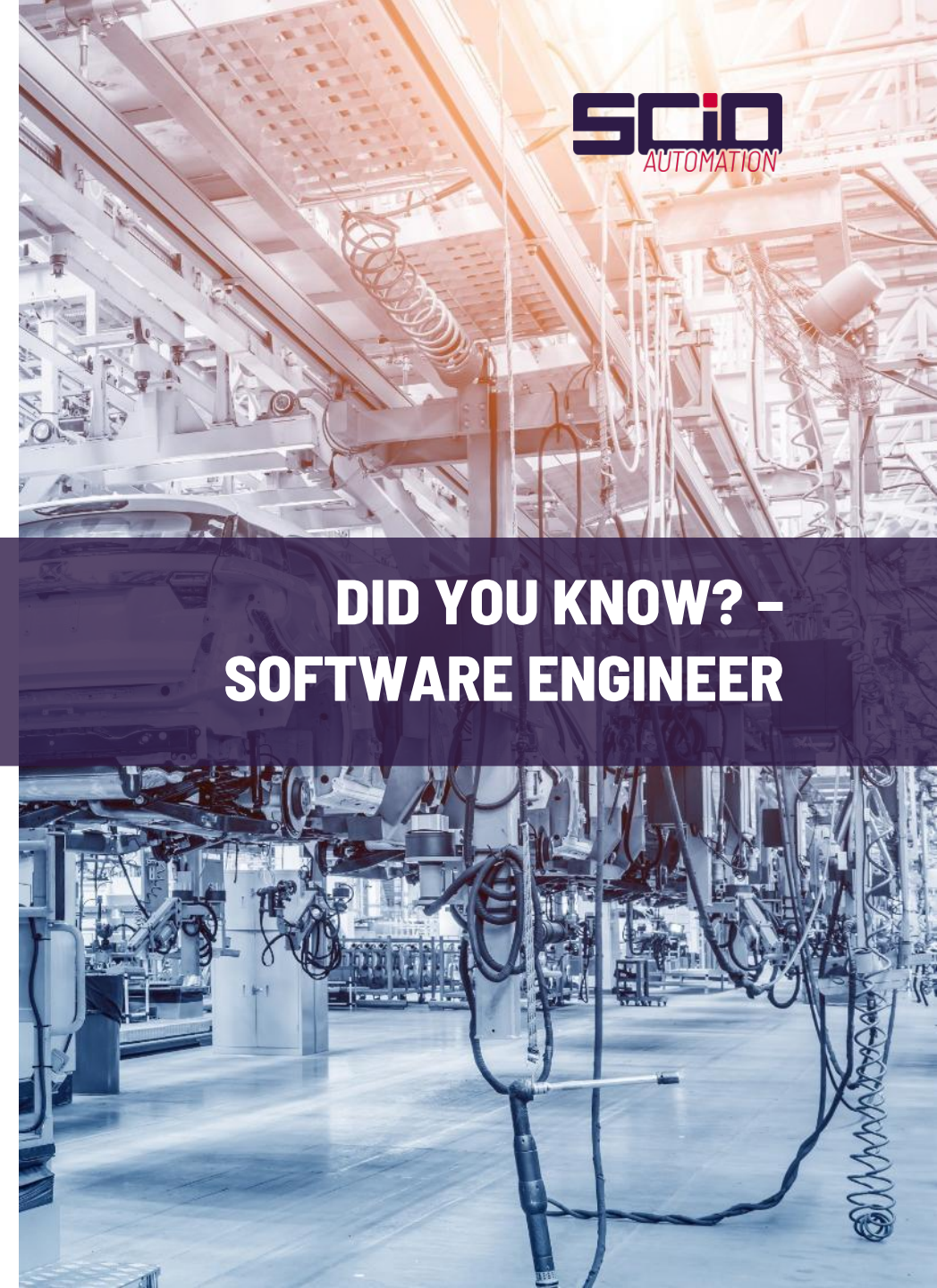
We train **all** our new software developers **according to a learning path!**  
**But why do we do this?**

At SCIO's Duisburg site, all new employees in the field of software development are consistently trained according to the "Software Engineer" learning path - no matter if they already have decades of professional experience.

**But why do we invest all this effort?**

- **Standardized foundation of knowledge**
  - It makes sure that a consistent foundation of knowledge is available
  - Closing hidden knowledge gaps
- **Standardized language**
  - It is made sure that everyone knows and uses the same terms
- **Standardized style & rules**
  - It is made sure that everyone is aware of the preferred programming style and that this is used
  - Reduces friction losses during the rotation of development teams
- **Standardized strategies & best practices**
  - Ensuring that everyone knows and can apply the most important proven strategies and best practices

**Standardize** training in **your own** company - with our **proven** learning path!



# APPOINTMENTS 2026 Q1 & Q2



	January	February	March	April	May	June
<b>TIA1</b> Hardware configuration and programming basics	19. – 21.01 (Remote)	---	02. – 04.03. (TAE Remote)	20. – 22.04.	---	---
<b>TIA2</b> Software architecture & development	22. – 23.01 (Remote)	---	05. – 06.03. (TAE Remote)	23. – 24.04.	---	---
<b>CVT1</b> Conversion from WinCC Comfort to WinCC Unified	---	---	16. – 18.03.	---	18. – 20.05. (Remote TAE)	15. – 17.06. (Remote)
<b>SAF1</b> Basics of the Machinery Directive	12.01.	09.02. (Remote)	09.03.	13.04. (Remote)	18.05. (Remote)	15.06.
<b>CVT3</b> Conversion from MD to MR	13.01.	10.02. (Remote)	10.03.	14.04. (Remote)	19.05. (Remote)	16.06.
<b>SAF4</b> In-depth SISTEMA course	14.01.	11.02. (Remote)	11.03.	15.04. (Remote)	07.05. (Remote TAE)	17.06.
<b>SEC1</b> Security Awareness	21.01.	16.02.  04.02. (Remote)	19.03.  03.03. (Remote)	15.04.  13.04. (Remote)	19.05.	---
<b>SAF2 + SAF3:</b> Siemens F PLCs: Based on the Course Cell Example	---	11. – 12.02.	---	16. – 17.04.	06. – 07.05.	---
<b>CVT2:</b> Conversion from TIA to Simatic Manager (S7 Classic)	---	---	19. – 20.03.	---	21. – 22.05. (Remote)	18. – 19.06. (Remote)

- Individual appointments are possible on request

# APPOINTMENTS 2026 Q3 & Q4



	July	August	September	October	November	December
<b>TIA1</b> Hardware configuration and programming basics	06. - 08.07	---	07. - 09.09. (Remote)	---	09. - 11.11.	---
<b>TIA2</b> Software architecture & development	09. -10.07.	---	10. - 11.09. (Remote)	---	12. - 13.11	---
<b>CVT1</b> Conversion from WinCC Comfort to WinCC Unified	27. - 29.07. (Remote)	---	28. - 30.09.	---	---	30.11 - 02.12. (Remote)
<b>SAF1</b> Basics of the Machinery Directive	13.07.	10.08. (Remote)	07.09.	05.10. (Remote)	02.11.  30.11. (Remote)	---
<b>CVT3</b> Conversion from MD to MR	14.07.	11.08. (Remote)	08.09.	06.10. (Remote)	03.11.	01.12. (Remote)
<b>SAF4</b> In-depth SISTEMA course	15.07.	12.08. (Remote)	09.09.	07.10. (Remote)	04.11.	02.12. (Remote)
<b>SEC1</b> Security Awareness	---	---	---	---	---	---
<b>SAF2 + SAF3:</b> Siemens F PLCs: Based on the Course Cell Example	---	19. - 20.08.	---	07. - 08.10.	---	02. - 03.12.
<b>CVT2:</b> Conversion from TIA to Simatic Manager (S7 Classic)	30. - 31.07.	---	---	01. - 02.10.	---	03. - 04.12. (Remote)

- Individual appointments are possible on request

#### Notes on the prices quoted

- Prices for scheduled sessions are ...
  - ... per participant (price listed on the course page)
- Prices for in-house/private sessions are ...
  - ... per instructor (see price list)
- All prices are ...
  - ... plus VAT
  - ... excluding travel expenses

Feel free to contact us:

[dui.academy@scio-automation.com](mailto:dui.academy@scio-automation.com)

**PRICES**

	Prices*	max. Participants
TIA1 Hardware configuration and programming basics	5.400,00 €	6
TIA2 Software architecture & development	3.600,00 €	6
TIA3 Standard development & data handling	2.700,00 €	4
STD1 Getting started with the SCIO Controls Standard	900,00 €	4
STD2 Create your own layouts & devices	2.700,00 €	4
CVT1 Conversion from WinCC Comfort to WinCC Unified	5.400,00 €	6
CVT2 Conversion from TIA to Simatic Manager (S7 Classic)	3.600,00 €	6
SAF1 Basics of the Machinery Directive	1.800,00 €	10
CVT3 Conversion from MD to MR	1.800,00 €	10
SAF2 + SAF3 Siemens F PLCs: Based on the Course Cell Example	3.600,00 €	4 (2 for Inhouse)
SAF4 In-depth SISTEMA course	1.800,00 €	10
SAF5 The fundamentals of ESPE and validation	900,00 €	10
SAF6 Programming with PNOZmulti Configurator	1.800,00 €	10
SEC1 Security Awareness for Operating Personnel	2.900,00 €	10
ROB1 Basic course Fanuc robots	4.500,00 €	2 (in Duisburg)

\*plus travel expenses, VAT, and per instructor

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## PRICE LIST FOR IN-HOUSE AND INDIVIDUAL APPOINTMENTS

