



# SIEMENS

Ingenuity for life

## SITRAIN in the digital enterprise

[siemens.com/sitrain-digitalization](https://siemens.com/sitrain-digitalization)

## SITRAIN – where digitalization becomes reality

### Totally Integrated Automation in the digital enterprise

Today's technologies are so complex that training with software programs and the right training equipment is virtually indispensable for staying up to date.

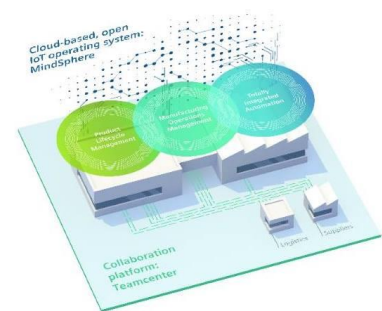
#### SITRAIN course

Totally Integrated Automation (TIA) in the Digital Enterprise – Introduction Compact (DI-INTROC)

Digitalization is changing our world – and the production methods used by today's manufacturing companies to ensure their long-term competitiveness. Customer requests are becoming increasingly individualized. To meet these needs, plant operators must reduce time to market and become more efficient and flexible, while at the same time maintaining or even improving their products' quality. Simply optimizing automation is no longer enough: Consistent, end-to-end digitalization offers real potential throughout the entire value chain.

#### Get concrete benefits from SITRAIN and digitalization today

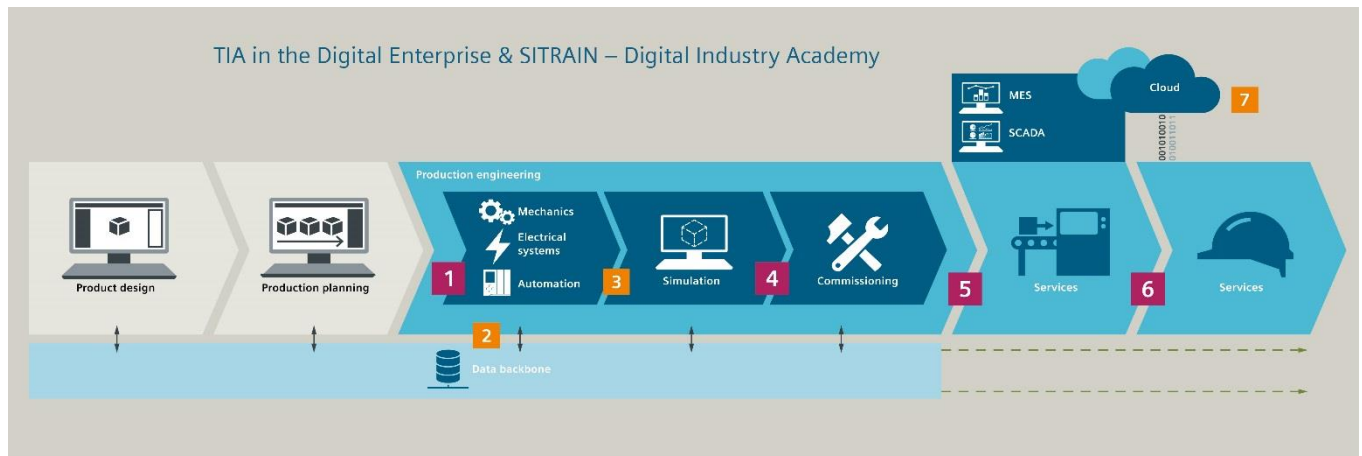
Challenges faced by industry today include being faster in the market and reacting more flexibly to market changes. The convergence of the real



and digital worlds is creating countless opportunities.

But knowing exactly how to seize these opportunities and build a bridge between the two worlds requires specialized skills and knowledge. SITRAIN has the technical, specialized and digital expertise to improve performance in all stages of the value chain.

# Start your journey to Industrie 4.0 in discrete automation today



## 1. Automatic execution of engineering tasks

Create project and machine variants with the same functions fast and with little effort

### SITRAIN courses

Totally Integrated Automation (TIA) in the Digital Enterprise – Introduction to Standardization (DI-STAND)

Totally Integrated Automation (TIA) in the Digital Enterprise - Automatic execution of engineering tasks (DI-AUTOEN)

SiVArc – Options of Automatic Visualization Generation (TIA-SIVARC)

TIA Portal Openness Programming 2 (DI-OPEN2)

## 2. Linking product lifecycle management and automation

Avoid multiple data entries for mechanics, electrics, and automation while ensuring data consistency throughout your project

## 3. Efficient cloud-based engineering

Reduce maintenance work for TIA Portal installations, and make changes to control functionalities locally even without any programming equipment

## 4. Virtual commissioning

Cut non-conformance costs, speed up time to market by working in parallel, and lower risks for real-life commissioning

### SITRAIN course

Totally Integrated Automation in the Digital Enterprise (TIA) – Virtual Commissioning for Machines (DI-VIRTCOM)

## 5. Integrated energy management

Link energy and production data as the basis for efficient energy management, from plant planning to operation

### SITRAIN courses

Energy management with SIMATIC Energy Suite (TIA-EMES)

Energy Manager PRO (TIA-EMPRO)

## 6. Machine and plant security

Prevent or reduce faults caused by attacks or malware, protect confidential data as well as intellectual property

### SITRAIN courses

Security in Industrial Networks with SCALANCE (IK-SECIN-S)

Basics of Industrial Security in the factory automation (ST-SECFA1)

## 7. Data acquisition for cloud services

Monitor machines distributed worldwide through data analysis and make processes more transparent



### Info. Find. Book.

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