



SCE

Siemens Automation **C**ooperates with **E**ducation

SCE learning modules

Choose your language

DE

EN

ES

FR

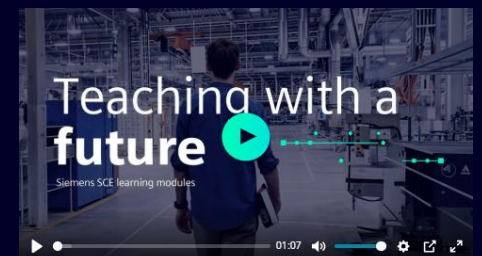
IT

PT

ZH

Global
Industry
Partner

worldskills



SIEMENS

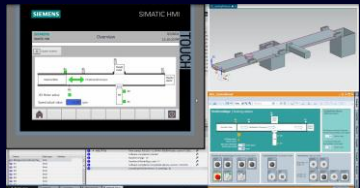
Lehren leicht gemacht

SCE digitale Lernmodule zur Vereinfachung der Wissensvermittlung an Auszubildende & Studierende

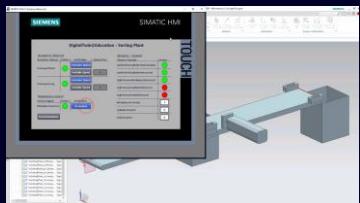
Die Module für den Know-how-Transfer



SIMIT
für 2D-Sortierstation
Kurs Automatisierung
für TIA FA mit SIMIT



SIMIT mit NX MCD
für 3D-Sortierstation
Kurs Automatisierung für
TIA FA mit SIMIT & NX MCD



NX MCD
für 3D-Sortierstation
Kurs Automatisierung
für den digitalen Zwilling

Die Vorteile auf einen Blick



Praxisorientiert

Die Lernmodule sind didaktisch für alle Arten von Lernsituationen konzipiert



Vielseitig einsetzbar

Alle Inhalte werden so gestaltet, dass sie für vielfältige Anwendungsfälle in Berufs-, Hochschulbildung oder Selbststudium verwendbar sind.



Interaktiv

Wir bieten jedes Lernmodul als ganzheitliches Lernpaket zum kostenlosen Download an

Mehr erfahren! [↗ siemens.com/sce/lm](https://www.siemens.com/sce/lm)

Der Einsatz in Berufsausbildung oder Studium

Einsatzspektrum

für Lehrveranstaltungen; Projekt-, Labor- und Studentenarbeiten sowie Selbststudium

Digitale Lernmodule beinhalten:



Leitfaden

Didaktisch aufbereitete Theorieunterlagen in DE, EN, ES, FR, IT, PT, ZH



Tutorials

Learning Nuggets & interaktive Call-To Actions in DE, EN



Projekte

für Version V19, V18, V16 mit SIMIT, TIA Portal, NX MCD



[Kostenloser Download](#) über Siemens ID mit erweiterten Rechten für SiePortal



Kein Konto? [↗ Leitfaden für SCE Registration](#)

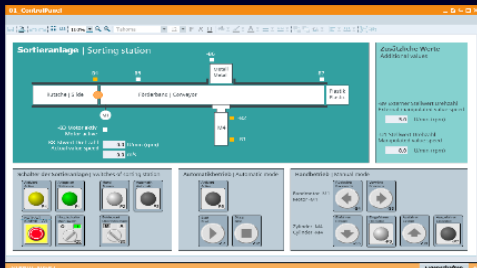
Siemens ID registration with extended rights for SCE SiePortal (mobile only)



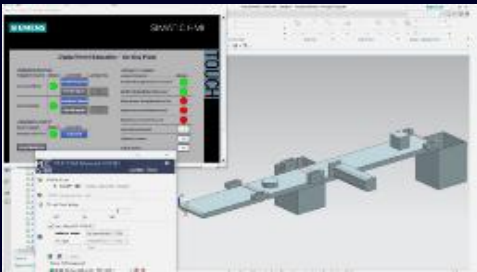
Digitale Lernmodule für praxisnahen Wissenstransfer zum Downloaden

TIA Grundkurs Factory Automation

SIMIT für 2D Sortieranlage



SIMIT mit NX MCD für 3D Sortieranlage



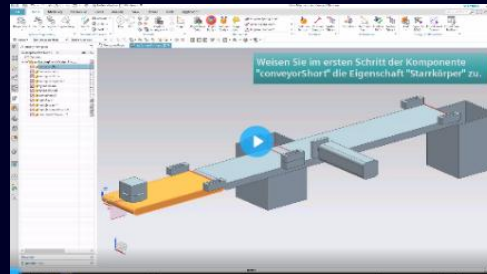
#34 Lernmodule →

#17 für SIMIT & #17 für SIMIT mit NX MCD

- #1 Einstiegs- & Warm up-Modul
- #2 HW-Konfiguration mit CPU1516F
- #3 FC-Programmierung
- #4 FB-Programmierung
- #5 IEC-Zeiten & -Zähler
- #6 TIA Portal Diagnosefunktionen
- #7 Analogwertverarbeitung
- #8 Globale Datenbausteine
- #9 PID-Regelung
- #10 GRAPH Schrittkettenprogrammierung
- #11 SCL Hochsprachenprogrammierung
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified Alarmer und Meldungen
- #15 WinCC Unified Faceplates
- #16 WinCC Unified Skripte
- #17 SIMIT Grundlagen Simulationserstellung

Aufbaukurs Digital Twin

NX MCD für 3D Sortieranlage



#6 Lernmodule für NX MCD

- #1 Virtuelle Inbetriebnahme
- #2 Projektierung des Automatisierungsprogramms
- #3 Erweiterungen / Optimierungen
- #4 3D-Modell statisch
- #5 3D-dynamisch
- #6 Signal-Mapping dynamisches 3D-Modells und PLCSIM Adv.

40 digitale Lernmodule online

→ **Konzipiert für den Einsatz in**

- Lehrveranstaltungen
- Projekt-, Labor- und Studienarbeiten
- Selbststudium

→ **an Lehrinhalten der Lehrpläne
ausgerichtetes praxisnahes Wissen**

→ **Alle Lernmodule in DE/EN
beinhalten je Sprache**

- Theorieunterlage Σ #17
- Lernvideos
 - Nuggets Σ # 287 / 10 h
 - Interaktive Call-to-Actions → Σ #211 / 7 h
- Projekte (SIMIT, TIA Portal, tlw. NX)

**Didaktisch aufbereitete Lernmodule erleichtern praxisnahen
Wissenstransfer für lehrplankonforme Lerninhalte**

↗ **Download** via SiePortal WebSSO-Account

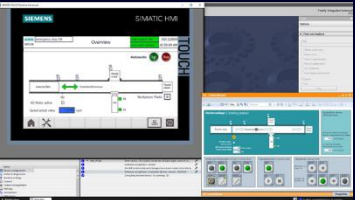
Kein Account? → ↗ **SCE Registrierungsguide**



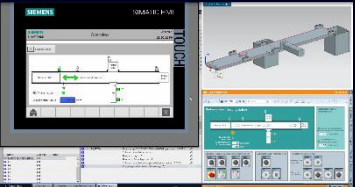
Teaching made easy

SCE digital learning modules for simplifying knowledge transfer to students

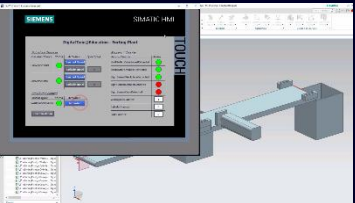
The modules for automation know-how transfer



SIMIT
for 2D sorting station
Course Automation
for TIA FA with SIMIT



SIMIT with NX MCD
for 3D sorting station
Course Automation for
TIA FA with SIMIT & NX MCD



NX MCD
for 3D sorting station
Course Automation
for Digital Twin

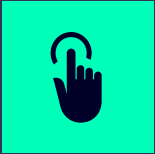
The benefits for teaching at a glance



Practice-oriented
The learning modules are didactically designed for all types learning situations



Versatile use
All content is created that it can be used in a variety for vocational training or Higher Education or self-study



Interactive
We offer each learning modules as a holistic learning package for free download

Learn more: [siemens.com/sce/lm](https://www.siemens.com/sce/lm)

The usages for vocational schools or study

Application range
for lectures/classes; project, laboratory, and student assignments as well as self-study

Content of learning modules:



Guides
Theory documents didactically prepared in DE, EN ES, FR, IT, PT, ZH



Tutorials
Learning Nuggets & interactive Call-To Actions in DE, EN



Projects
for version V19, V18, V16 with SIMIT, TIA Portal, NX MCD

 [Free Download](#) via Siemens ID with extended rights for SiePortal

 No account? [SCE Registration Guide](#)



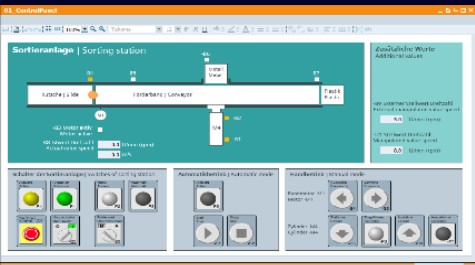


Digital learning modules

Practical knowledge transfer for download

TIA Basic Course: Factory Automation

SIMIT for 2D sorting station



SIMIT with NX MCD for 3D sorting station

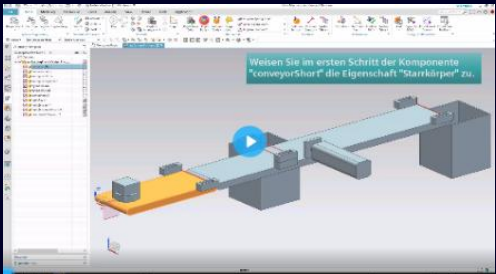


#34 Learning Modules for #17 for SIMIT & #17 for SIMIT with NX MCD

- #1 Introduction & warm-up module
- #2 HW configuration with CPU1516F
- #3 FC programming
- #4 FB programming
- #5 IEC timers & counters
- #6 TIA Portal diagnostic features
- #7 Analog value processing
- #8 Global data blocks
- #9 PID control
- #10 GRAPH sequencer programming
- #11 SCL high-level language programming
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified Alarms and Messages
- #15 WinCC Unified Faceplates
- #16 WinCC Unified Scripts
- #17 SIMIT Basics of simulation creation

Advanced Course Digital Twin

NX MCD for 3D sorting station



#6 Learning Modules for NX MCD

- #1 Virtual commissioning
- #2 Configuring the automation program
- #3 Enhancements / Optimizations
- #4 Static 3D model
- #5 Dynamic 3D model
- #6 Signal mapping of dynamic 3D model and PLCSIM Adv.

Didactically prepared learning modules facilitate practical knowledge transfer for curriculum-compliant learning content

40 digital learning modules online

- **Designed for use in:**
 - Courses
 - Project, laboratory, and student assignments
 - Self-study
- **Practical knowledge aligned with the curricula**
- **All learning modules in DE/EN include per language**
 - Theory document Σ #17
 - Tutorial videos
 - Nuggets Σ # 287 / 10 h
 - Interactive calls-to-action → Σ #211 / 7 h
 - Projects (SIMIT, TIA Portal, some NX)

[Download](#) via SiePortal WebSSO account

No account? → [SCE Registration Guide](#)



Formación más sencilla

Módulos digitales de aprendizaje de SCE para simplificar la transferencia de conocimientos a aprendices y estudiantes

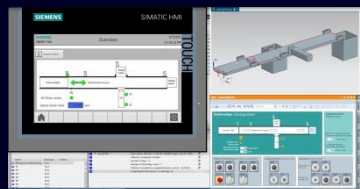
Los módulos para la transferencia de know-how



SIMIT

para estación de clasificación 2D

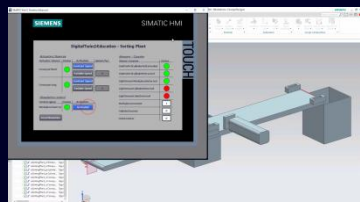
Curso de automatización para TIA FA con SIMIT



SIMIT con NX MCD

para estación de clasificación 3D

Curso de automatización para TIA FA con SIMIT y NX MCD



NX MCD

para estación de clasificación 3D

Curso de automatización para el gemelo digital

Las ventajas de un vistazo



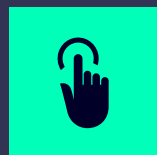
Práctico

Los módulos de aprendizaje han sido diseñados de manera didáctica para todo tipo de situaciones de aprendizaje



Uso versátil

Todo el contenido se ha diseñado para una amplia gama de aplicaciones en formación profesional, enseñanza superior o aprendizaje autodidacta



Interactivo

Ofrecemos cada módulo de aprendizaje como paquete didáctico completo para su descarga gratuita

Más información en: [siemens.com/sce/lm](https://www.siemens.com/sce/lm)

El uso en formación profesional o estudios superiores

Campo de aplicación

Para eventos formativos; trabajos de proyecto, de laboratorio y estudiantiles, así como para aprendizaje autodidacta

Contenu des modules d'apprentissage :



Guías

Documentos teóricos preparados de manera didáctica en DE, EN ES, FR, IT, PT, ZH



Tutoriales

Learning Nuggets y Call-To Actions interactivos en DE, EN



Proyectos

Para las versiones V19, V18, V16 con SIMIT, TIA Portal, NX MCD

 [Descarga gratuita](#) a través de Siemens ID con derechos ampliados para SiePortal

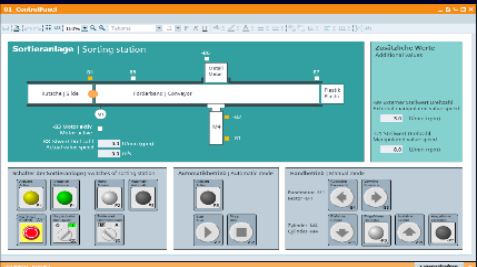
 ¿No tiene cuenta? [Guía de registro en SCE](#)



Módulos de aprendizaje digitales para una transmisión de conocimientos orientada a la práctica listos para descargar

Curso básico de TIA sobre Factory Automation

SIMIT para plantas de clasificación 2D



SIMIT con NX MCD para plantas de clasificación 3D

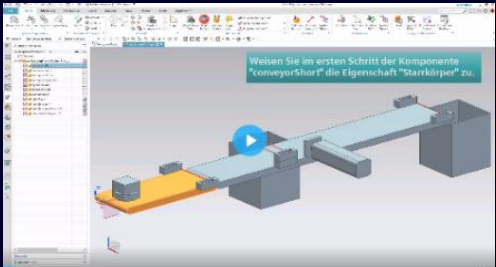


#34 Módulos de aprendizaje → #17 para SIMIT y #17 para SIMIT con NX MCD

- #1 Introduction & warm-up module
- #2 HW configuration with CPU1516F
- #3 FC programming
- #4 FB programming
- #5 IEC timers & counters
- #6 TIA Portal diagnostic features
- #7 Analog value processing
- #8 Global data blocks
- #9 PID control
- #10 GRAPH sequencer programming
- #11 SCL high-level language programming
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified Alarms and Messages
- #15 WinCC Unified Faceplates
- #16 WinCC Unified Scripts
- #17 SIMIT Basics of simulation creation

Curso de perfeccionamiento Gemelo digital

NX MCD para plantas de clasificación 3D



#6 Módulos de aprendizaje para NX MCD

- #1 Virtual commissioning
- #2 Configuring the automation program
- #3 Enhancements / Optimizations
- #4 Static 3D model
- #5 Dynamic 3D model
- #6 Signal mapping of dynamic 3D model and PLCSIM Adv.

40 módulos de aprendizaje digitales en línea

- Diseñados para su uso en
 - Eventos formativos
 - Trabajos de proyecto, laboratorio y estudios
 - Autoaprendizaje
- Conocimientos prácticos orientados a los contenidos didácticos de los planes de estudios
- Cada uno de los módulos de aprendizaje en DE/EN contiene, en cada idioma:
 - Documentación teórica Σ #17
 - Videos didácticos
 - Píldoras de aprendizaje Σ #287 / 10 h
 - Llamadas a la acción (CTA) interactivas → Σ #211 / 7 h
 - Proyectos (SIMIT, TIA Portal, en parte NX)

Módulos de aprendizaje didácticos que facilitan la transmisión de conocimientos orientada a la práctica para unos contenidos que cumplen los planes de estudios

🔗 [Descarga](#) en SiePortal con una cuenta WebSSO

¿No tiene cuenta? → 🔗 [Guía de registro en SCE](#)



Enseignement facilité

Modules d'apprentissage SCE pour simplifier la transmission du savoir aux étudiants

Les modules

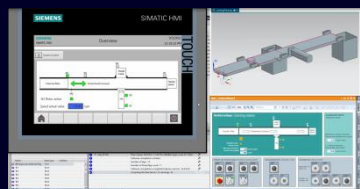
pour le transfert de savoir-faire en
automatisation



SIMIT

cas d'usage : station de tri 2D

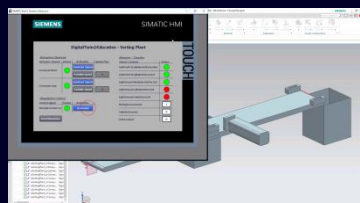
Cours d'automatisation
TIA FA avec SIMIT



SIMIT avec NX MCD

cas d'usage : station de tri 3D

Cours d'automatisation
TIA FA avec SIMIT & NX MCD



NX MCD

cas d'usage : station de tri 3D

Cours d'automatisation
Jumeau numérique

Les avantages en un coup d'œil



Approche pratique

Les modules d'apprentissage sont conçus didactiquement pour toute situation d'apprentissage



Polyvalence

Tous les contenus sont créés de manière à être utilisés le plus largement possible : formation professionnelle, enseignement supérieur ou auto-apprentissage



Interactivité

Chaque module d'apprentissage est disponible dans un pack d'apprentissage complet en téléchargement gratuit

En savoir plus : [siemens.com/sce/lm](https://www.siemens.com/sce/lm)

L'utilisation

dans la formation professionnelle
ou les études

Champ d'application

Pour formations/cours ; travaux de projet, de laboratoire ou en auto-apprentissage

Contenu des modules d'apprentissage :



Guides

Documents théoriques préparés de manière didactique
en DE, EN, ES, FR, IT, PT, ZH



Didacticiels

Learning Nuggets & call-to-action interactifs
en DE, EN



Projets

pour les versions V19, V18, V16
avec SIMIT, TIA Portal, NX MCD



[Téléchargement gratuit](#) via Siemens ID avec droits étendus pour SiePortal



Pas de compte ? [Guide d'enregistrement SCE](#)

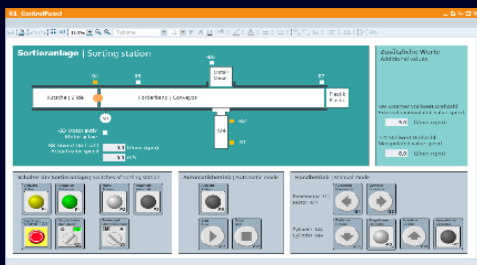
Siemens ID registration
with extended rights
for SCE SiePortal
made easy



Modules d'apprentissage numériques pour un transfert de connaissances orienté pratique, à télécharger

Cours de base TIA Factory Automation

SIMIT pour installation de tri 2D



SIMIT avec NX MCD pour installation de tri 3D

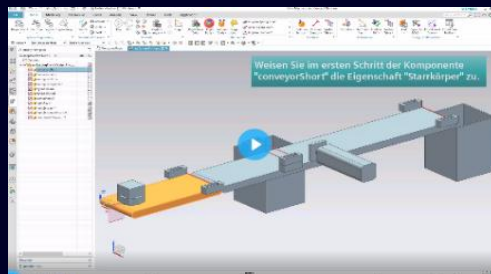


#34 Modules d'apprentissage → #17 pr SIMIT & #17 pr SIMIT avec NX MCD

- #1 Module d'initiation & Warm up
- #2 Configuration matérielle avec CPU1516F
- #3 Programmation FC
- #4 Programmation FB
- #5 Temps et compteur IEC
- #6 Fonctions de diagnostic TIA Portal
- #7 Traitement de valeur analogique
- #8 Blocs de données globaux
- #9 Régulation PID
- #10 Program. chaînes d'opération GRAPH
- #11 Program. langage évolué SCL
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified alarms and notifications
- #15 WinCC Unified faceplates
- #16 WinCC Unified scripts
- #17 SIMIT Basics of simulation creation

Cours avancé Digital Twin

NX MCD pour le tri 3D



#6 Modules d'apprentissage NX MCD

- #1 Mise en service virtuelle
- #2 Configuration du programme d'automatisation
- #3 Extensions / optimisations
- #4 Modèle 3D statique
- #5 Modèle 3D dynamique
- #6 Mappage signal modèle 3D dynamique et PLCSIM Adv.

40 modules d'appr. numériques en ligne

- **conçus pour l'utilisation dans**
 - les établissements d'enseignement
 - les travaux de projet, de labo. et d'étude
 - l'autoapprentissage
- **avec des connaissances pratiques axées sur le contenu des programmes**
- **Les modules d'appr. en FR/EN contiennent par langue**
 - Documents théoriques ∑ #17
 - Vidéos de formation
 - Nuggets ∑ # 287 / 10 h
 - Appels à l'action interactifs → ∑ #211 / 7 h
 - Projets (SIMIT, TIA Portal, en partie NX)

🔗 **Téléchargement** via le compte SiePortal WebSSO

Pas de compte ? → 🔗 **Guide d'inscription SCE**

Des modules d'apprentissage didactiques facilitent le transfert de connaissances orientées pratique, pour des contenus d'apprentissages conformes aux programmes



L'insegnamento reso semplice

Moduli formativi digitali SCE per facilitare l'apprendimento da parte di tirocinanti e studenti

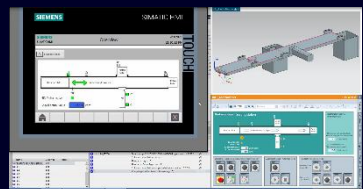
Moduli per la condivisione del know-how



SIMIT

per stazione di smistamento 2D

Corso Automazione
per TIA FA con SIMIT



SIMIT con NX MCD

per stazione di smistamento 3D

Corso Automazione per
TIA FA con SIMIT & NX MCD



NX MCD

per stazione di smistamento 3D

Corso Automazione
per il gemello digitale

I vantaggi in sintesi



Pratico

I moduli formativi sono didattici per tutti i tipi di situazioni di apprendimento.



Impiego versatile

Tutti i contenuti sono stati realizzati in modo da poter essere utilizzati per un'ampia gamma di applicazioni nell'istruzione sia professionale che universitaria o nello studio autodidattico.



Interattivo

Offriamo ogni modulo formativo come pacchetto di apprendimento completo, disponibile per il download gratuito

Per saperne di più [↗ siemens.com/sce/lm](https://www.siemens.com/sce/lm)

L'utilizzo nella formazione professionale o universitaria

Campi applicativi

per corsi di formazione; progetti, attività di laboratorio e esercitazioni studentesche, nonché per l'autoapprendimento

I moduli formativi digitali includono:



Guida

Materiale teorico strutturato per la didattica disponibile nelle lingue DE, EN ES, FR, IT, PT, ZH



Tutorial

Learning Nuggets & interattive Call-To Actions nelle lingue DE, EN



Progetti

per versione V19, V18, V16
con SIMIT, TIA Portal, NX MCD



[Download gratuito](#) tramite ID Siemens con diritti estesi per SiePortal



Nessun account? [↗ Guida alla Registrazione SCE](#)

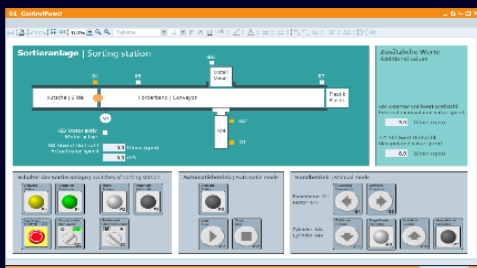
Siemens ID registration
with extended rights
for SCE SiePortal
made easy



Moduli didattici digitali per il trasferimento delle conoscenze pratiche – da scaricare

Corso base TIA Factory Automation

SIMIT per impianto di smistamento 2D



SIMIT con NX MCD per impianto di smistamento 3D



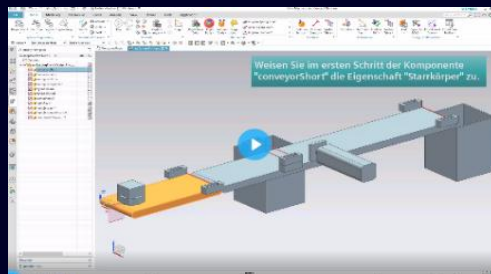
#34 Moduli didattici →

#17 per SIMIT & #17 per SIMIT con NX MCD

- #1 Introduction & warm-up module
- #2 HW configuration with CPU1516F
- #3 FC programming
- #4 FB programming
- #5 IEC timers & counters
- #6 TIA Portal diagnostic features
- #7 Analog value processing
- #8 Global data blocks
- #9 PID control
- #10 GRAPH sequencer programming
- #11 SCL high-level language programming
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified Alarms and Messages
- #15 WinCC Unified Faceplates
- #16 WinCC Unified Scripts
- #17 SIMIT Basics of simulation creation

Corso avanzato Digital Twin

NX MCD per impianto di smistamento 3D



#6 Moduli didattici per NX MCD

- #1 Virtual commissioning
- #2 Configuring the automation program
- #3 Enhancements / Optimizations
- #4 Static 3D model
- #5 Dynamic 3D model
- #6 Signal mapping of dynamic 3D model and PLCSIM Adv.

**I moduli didattici facilitano il trasferimento delle conoscenze pratiche
in linea con i programmi scolastici**

40 moduli didattici digitali online

→ **Concepiti per essere utilizzati in**

- corsi di formazione
- progetti, laboratori e ricerche degli studenti
- studio individuale

→ **conoscenze pratiche basate sui contenuti del curriculum tedesco**

→ **Tutti i moduli didattici contengono, per ogni lingua (DE/EN)**

- Materiale didattico (teoria) Σ #17
- Video didattici
 - Nugget Σ #287 / 10 h
 - Call-to-Action interattive → Σ #211 / 7 h
- Progetti (SIMIT, TIA Portal, tlw. NX)

[Download](#) tramite account SiePortal WebSSO

Nessun account? → [SCE Guida alla registrazione](#)



Ensino simplificado

Módulos de aprendizagem SCE digitais para facilitar a transferência de conhecimento para treinandos e estudantes

Os módulos

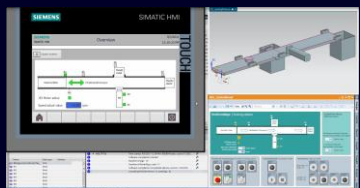
para a transferência de know-how



SIMIT

para estação de ordenação 2D

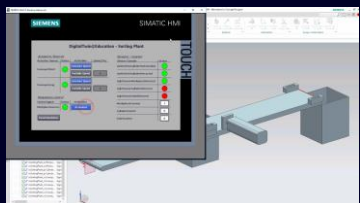
Curso de automação para TIA FA com SIMIT



SIMIT com NX MCD

para estação de ordenação 3D

Curso de automação para TIA FA com SIMIT & NX MCD



NX MCD

para estação de ordenação 3D

Curso de automação para o gêmeo digital

Um resumo das vantagens



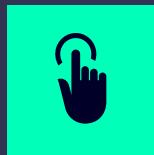
Orientados para a prática

Os módulos de aprendizagem foram concebidos para todos os tipos de situações de aprendizagem.



Aplicação versátil

Todos os conteúdos são projetados de modo que sejam aplicáveis em casos de aplicação diversificados em treinamento profissional, ensino superior ou estudo individual.



Interativos

Disponibilizamos cada um dos módulos de aprendizagem como pacote de aprendizagem holístico para download gratuito

Fique sabendo mais! [🔗 siemens.com/sce/lm](https://www.siemens.com/sce/lm)

A utilização

no treinamento profissional ou estudo

Espectro de utilização

para cursos de ensino; trabalhos de projeto, laboratoriais e estudantis, bem como estudo individual

Os módulos de aprendizagem digitais incluem o seguinte:



Guia

Documentos teóricos didaticamente preparados em DE, EN, ES, FR, IT, PT, ZH



Tutoriais

Learning Nuggets & Call-To Actions interativos em DE, EN



Projetos

para versão V19, V18, V16 com SIMIT, TIA Portal, NX MCD



[Download gratuito](#) através do Siemens ID com direitos ampliados para o SiePortal



Sem conta? [🔗 Guia para o registro SCE](#)

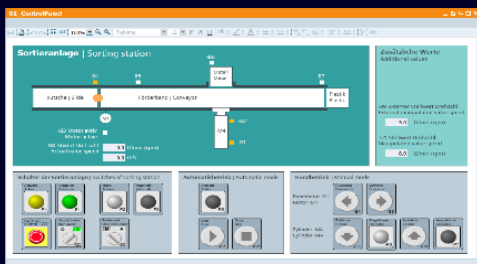
Siemens ID registration with extended rights for SCE SiePortal made easy



Módulos de aprendizagem digitais para transferência de conhecimentos prática para download

Curso básico TIA Factory Automation

SIMIT para unidade de triagem 2D



SIMIT com NX MCD para unidade de triagem 3D

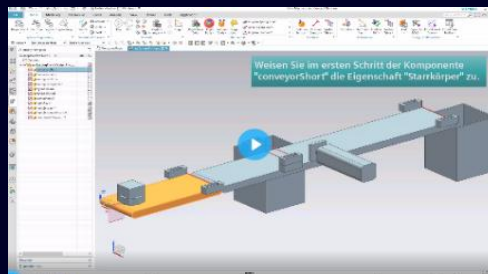


#34 Módulos de aprendizagem → #17 para SIMIT & #17 para SIMIT com NX MCD

- #1 Introduction & warm-up module
- #2 HW configuration with CPU1516F
- #3 FC programming
- #4 FB programming
- #5 IEC timers & counters
- #6 TIA Portal diagnostic features
- #7 Analog value processing
- #8 Global data blocks
- #9 PID control
- #10 GRAPH sequencer programming
- #11 SCL high-level language programming
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified Alarms and Messages
- #15 WinCC Unified Faceplates
- #16 WinCC Unified Scripts
- #17 SIMIT Basics of simulation creation

Curso avançado Digital Twin

NX MCD para unidade de triagem 3D



#6 Módulos de aprendizagem para NX MCD

- #1 Virtual commissioning
- #2 Configuring the automation program
- #3 Enhancements / Optimizations
- #4 Static 3D model
- #5 Dynamic 3D model
- #6 Signal mapping of dynamic 3D model and PLCSIM Adv.

Os módulos de aprendizagem, preparados didaticamente, facilitam a transferência prática de conhecimentos para conteúdos de aprendizagem em conformidade com os cronogramas

40 módulos digitais de aprendizagem online

- **Concebidos para o uso em**
 - cursos de formação
 - trabalhos de projeto, laboratório e estudo
 - estudo pessoal
- **Conhecimentos práticos alinhados com os cronogramas educacionais**
- **Todos os módulos de aprendizagem em DE/EN contêm por cada idioma**
 - Documento teórico ∑ #17
 - Vídeos de aprendizagem
 - Pequenas informações ∑ # 287 / 10 h
 - Call-to-Actions interativos → ∑ #211 / 7 h
 - Projetos (SIMIT, TIA Portal, parcialm. NX)

➤ [Download](#) via conta SiePortal WebSSO

Sem conta? → ➤ [Guia de inscrição SCE](#)

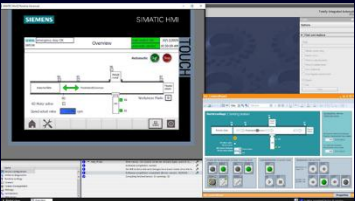


简化教学

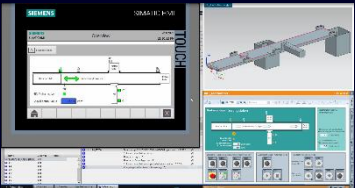
SCE 数字化学习模块可简化向学员与学生传授知识

模块

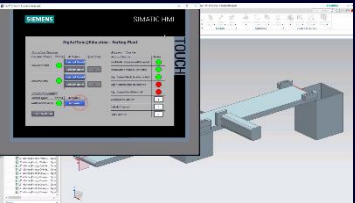
用于专有技术传递



SIMIT
用于 2D 分拣站
自动化课程
关于 TIA FA 与 SIMIT



SIMIT 与 NX MCD
用于 3D 分拣站
自动化课程关于
TIA FA 与 SIMIT & NX MCD



NX MCD
用于 3D 分拣站
自动化课程
关于数字孪生

优点

一览



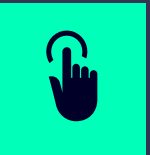
以实践为导向

这些学习模块在教学法层面上针对各类学习场景进行了设计



用途广泛

所有内容的设计可用于职业教育、高等教育或自主学习等多种应用场景。



交互

我们提供每一个学习模块作为完整的学习包 供免费下载

了解更多！[siemens.com/sce/lm](https://www.siemens.com/sce/lm)

应用

于职业培训或学术学习

应用范围

用于课程教学；项目工作、实验工作与学生作业及自主学习

数字化学习模块包含：



指南

经教学法优化的理论资料
(含德、英、西、法、意、葡、中多语言版本)



教程

Learning Nugget 与交互式
行动号召 (含德、英双语)



项目

用于版本 V19、V18、V16
包含 SIMIT、TIA Portal、NX MCD



免费下载 通过具有扩展 SiePortal 权限的西门子 ID



无账户？[SCE 注册指南](#)

Siemens ID registration
with extended rights
for SCE SiePortal
made easy

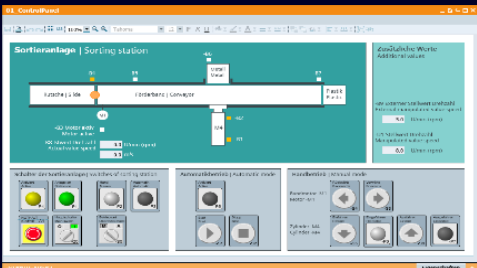


数字化教学模块

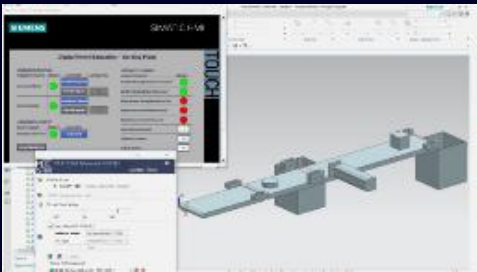
可供实用知识教学下载

TIA 工厂自动化基础课程

SIMIT 适用于 2D 分拣系统



SIMIT 配 NX MCD 适用于 3D 分拣系统



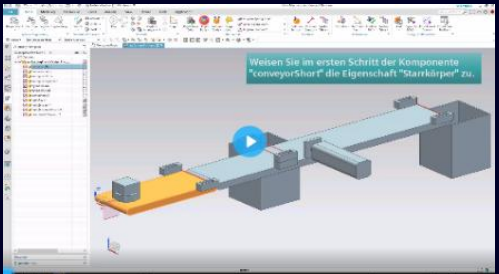
#34 教学模块 →

#17 适用于 SIMIT & #17 适用于带有 NX MCD 的 SIMIT

- #1 Introduction & warm-up module
- #2 HW configuration with CPU1516F
- #3 FC programming
- #4 FB programming
- #5 IEC timers & counters
- #6 TIA Portal diagnostic features
- #7 Analog value processing
- #8 Global data blocks
- #9 PID control
- #10 GRAPH sequencer programming
- #11 SCL high-level language programming
- #12 WinCC Advanced Basic
- #13 WinCC Unified
- #14 WinCC Unified Alarms and Messages
- #15 WinCC Unified Faceplates
- #16 WinCC Unified Scripts
- #17 SIMIT Basics of simulation creation

数字化双胞胎高级课程

NX MCD 适用于 3D 分拣系统



#6 教学模块适用于 NX MCD

- #1 Virtual commissioning
- #2 Configuring the automation program
- #3 Enhancements / Optimizations
- #4 Static 3D model
- #5 Dynamic 3D model
- #6 Signal mapping of dynamic 3D model and PLCSIM Adv.

40 个在线数字化教学模块

→ 专门设计用于

- 课程
- 项目、实验和研究工作
- 自学

→ 根据**教学计划教学内容**教授实用知识

→ **所有教学模块**（德/英）包括每种语言

- 理论文件 Σ #17
- 教学视频
 - 黄金知识 Σ #287 / 10 h
 - 互动号召 → Σ #211 / 7 h
- 项目（SIMIT、TIA Portal、部分 NX）

面向教学目的设计的教学模块支持符合教学计划的学习内容进行以实用为导向的知识传授

通过 SiePortal WevSSO 账号 [下载](#)；

没有账号？ → [SCE 注册指南](#)

