



COMOS Training Calendar 2022/2023

COMOS Training Offer

Whether you're looking for basic knowledge for first-time users or specialist know-how for experts and administrators – the COMOS Training Center always offers you the right training for your requirements.

Structured, practise-oriented training courses

Regardless of whether you work as a COMOS user or administrator, our requirement-oriented COMOS training courses provide substantial support in achieving your learning success.

COMOS training in German language

For German trainings please check the German Training Calendar in the [Internet](#).

<http://www.automation.siemens.com/mcms/plant-engineering-software/de/comos-training>

From "first-time users" to "COMOS experts"

AStarting with the obligatory COMOS Training Platform (Basic), you can expand your capabilities across the entire breadth of the COMOS software, or acquire expert knowhow via our Administrator Trainings. Our range of courses with its wide variety of combination

options supports you in acquiring comprehensive know-how that can be immediately applied, and in building up sound knowledge of COMOS in theory and practice. Please note, however, that some training courses require prior knowledge of certain topics. You can find the relevant details, as well as the content and duration of courses, in the training descriptions

Field-proven standard range, or customized training

We carry out the English trainings with the application "Microsoft Teams" as web-based training.

Our trainings are done in English and bases on the standard software and database as it is originally delivered.

All courses can also be booked in other languages based on request. If you should have further requirements for special content or individual topics, please contact us.

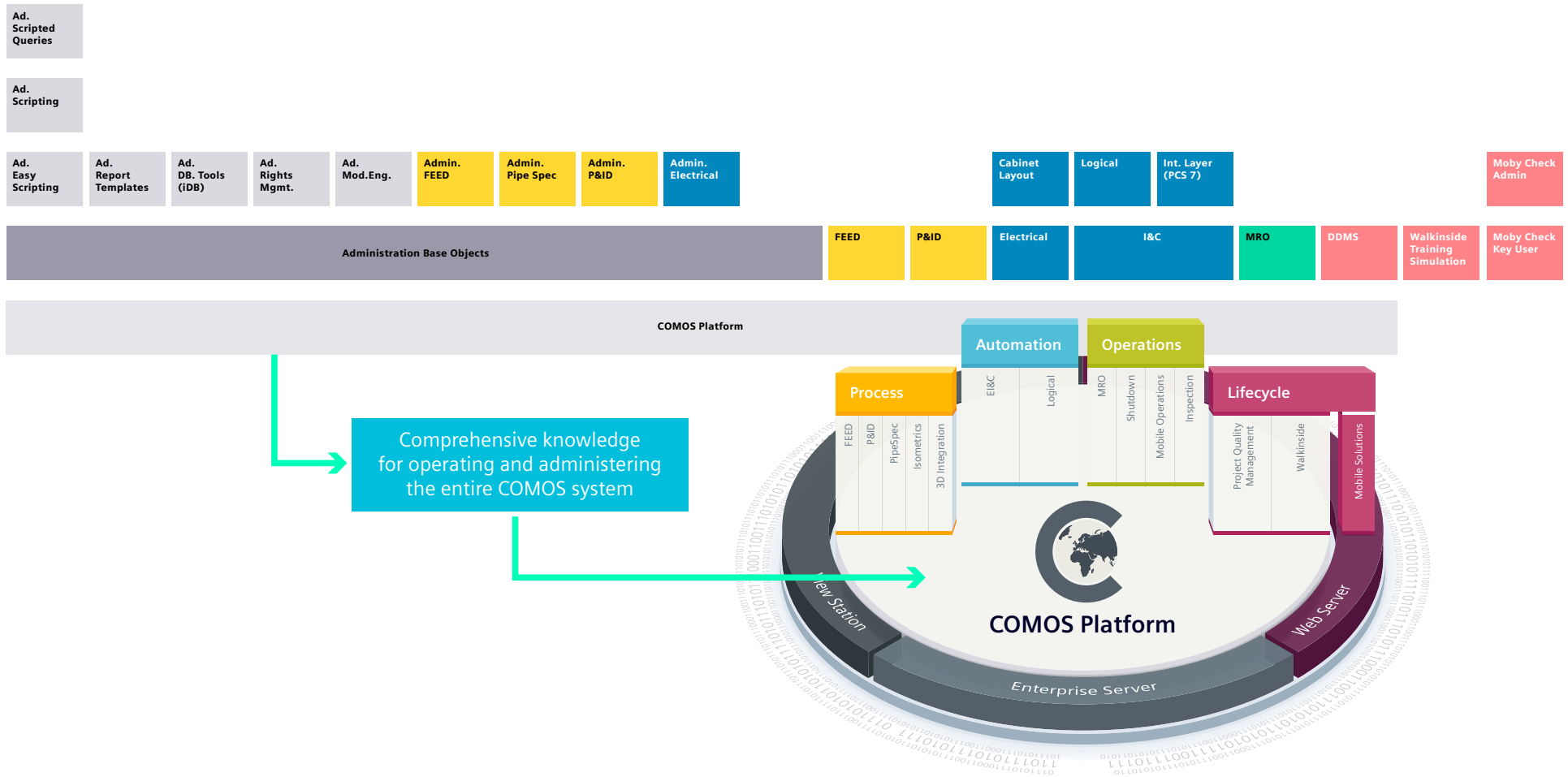
E-mail: training.de.comos@siemens.com

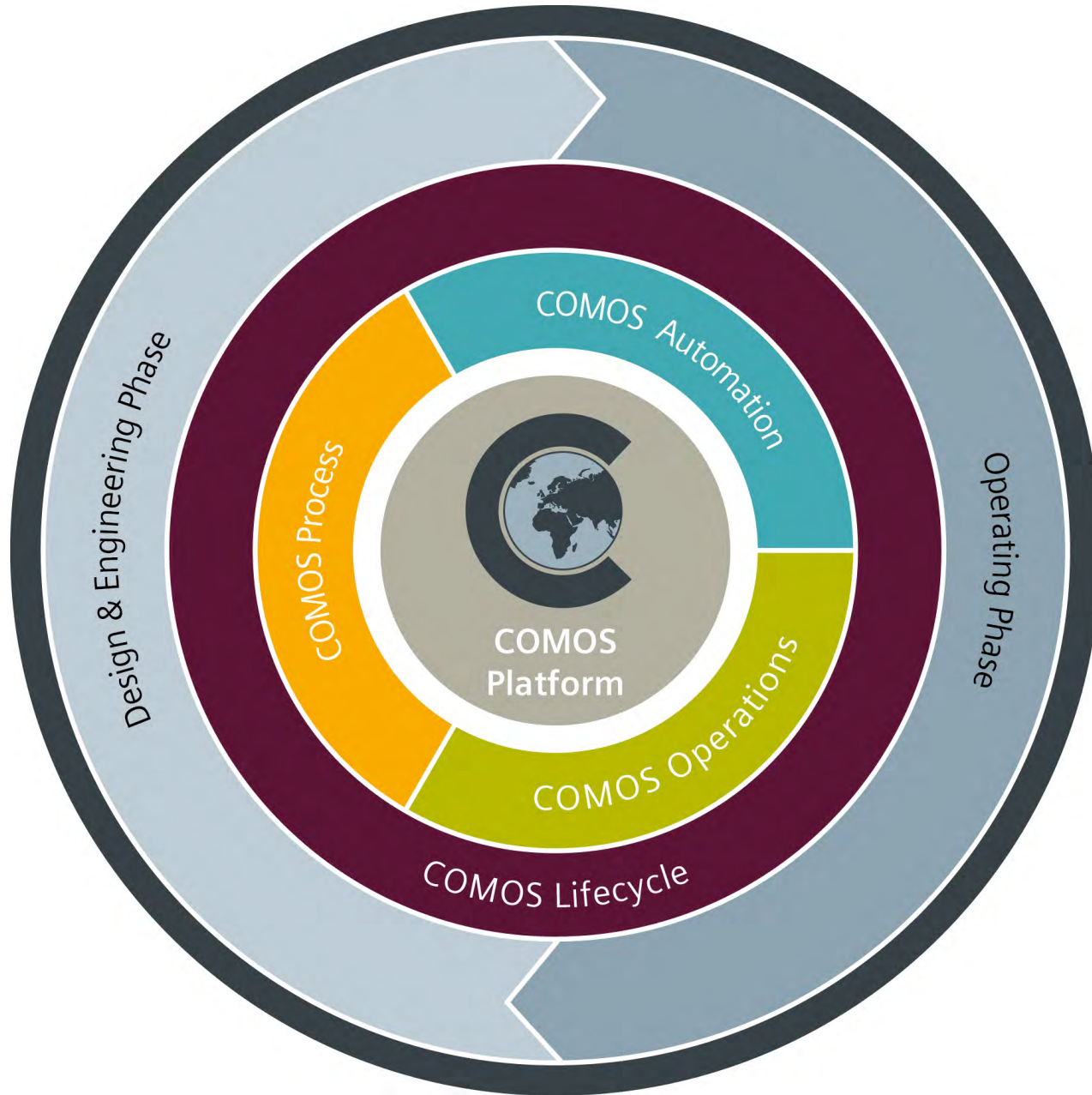


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Training Portfolio and Learning Path for COMOS and COMOS Walkinside





COMOS Training Platform

ON REQUEST

Contents

The COMOS Platform training is aimed at planning engineers, drafters or future COMOS administrators. Students learn about the philosophy of COMOS, how to handle the Navigator and how to create structures and engineering objects. They are also introduced to tools such as queries and bulk processing as well as to interfaces and working layers.

Target Group

Planners, drafters, engineers, project team members

Prerequisite

Windows user knowledge

Overview

- COMOS projects and user interface
- Navigator and tabs
- COMOS objects
- Basics for queries
- Queries and bulk processing
- Documents and lists
- Interfaces
- Working layers

Duration: 2 days

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COMOS Training **FEED**

ON REQUEST

Contents

During the COMOS FEED training, students learn how to use practice-oriented methods and processes to import simulation data and carry out process front end engineering with all the relevant objects, drawing types and documents in COMOS.

Target Group

Planners, drafters, engineers, project team members

Prerequisite

COMOS Training Platform

Overview

- Creating structures and objects
- Editing and placing objects
- Importing simulation data
- Case and process data management
- Mass balancing
- Knowledge database & PFD conversion
- Handling data and documents
- Copy methods

Duration: 2 days

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COMOS Training P&ID

ON REQUEST

Contents

During the COMOS P&ID training, participants learn how to use practice-oriented methods and processes to carry out graphical, process engineering planning with all the relevant objects, drawing types and documents in COMOS.

Target Group

Planners, drafters, engineers, project team members

Prerequisite

COMOS Training Platform

Overview

- Creating structures and objects
- Editing and placing objects
- Pipes
- Objects for process engineering
- Measurement functions
- Handling documents
- Copy methods
- Further functionalities

Duration: 2 days

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COMOS Training

Instrumentation & Control

ON REQUEST

Contents

During the COMOS Instrumentation & Control (I&C) training, students learn to use practice-oriented methods and processes to carry out I&C engineering, create measuring and actuating functions and draft loop diagrams using the COMOS EI&C module.

Target Group

Planners, drafters, engineers, project team members

Prerequisite

COMOS Training Platform

Overview

- Creating positions and functions
- Creating loop diagrams
- PLC / connection elements
- Connecting and marshalling (via diagrams)
- Signal engineering and Loop document manager
- Connecting and marshalling (object based)
- Handling data and documents
- Further functionalities

Duration: 2 days

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COMOS Training **Logical**

ON REQUEST

Contents

This is an advanced training for the experienced users with knowledge gained in the COMOS I&C training. Students learn how to handle signals, actions, step sequences and function diagrams with the COMOS module Logical.

Target Group

Planners, developers (automation), engineers, project team members

Prerequisite

COMOS Training Instrumentation & Control

Overview

- Basics
- Function diagrams
- Step sequences
- Further blocks / functionalities

Duration: 1 day

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COMOS Training

Electrical Engineering

ON REQUEST

Contents

During the COMOS Electrical Engineering (EE) training, students learn how to use practice-oriented methods and processes to carry out electrical engineering and create circuit diagrams with the COMOS module EI&C.

Target Group

Planners, drafters, engineers, project team members

Prerequisite

COMOS Training Platform

Overview

- Creating structures and objects
- Placing objects (single line diagram)
- Placing objects (circuit diagram)
- Potentials and terminal strips
- Cables and connections
- Contacts and contact surfaces
- Handling data and documents
- Further functionalities

Duration: 2 days

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COMOS Training

Cabinet Layout

ON REQUEST

Contents

The Cabinet Layout training is intended as an advanced course for experienced users with knowledge gained in the COMOS Electrical Engineering training. Students learn how to use methods and tools for planning control cabinets with the COMOS module EI&C. The focus is on creating and synchronizing views and equipping cabinets and rails.

Target Group

Planners, drafters, design engineers, engineers, project team members

Prerequisite

COMOS Training Electrical Engineering

Overview

- Creating a cabinet system
- Creating a cabinet design
- Routing cables and checking
- Creating layout designs

Duration: 1 day

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COMOS Training MRO

ON REQUEST

Contents

The COMOS MRO (Maintenance, Repair & Overhaul) training is aimed at beginners in the areas "Maintenance" and "Plant operation". Students learn about the basic functionalities of the COMOS module and will work on different maintenance methods and scenarios.

Target Group

Technicians, engineers, project / maintenance staff

Prerequisite

COMOS Training Platform

Overview

- MRO objects and structures
- Planned maintenance
- Resource management
- Reactive maintenance
- Plugin "Maintenance Demon"
- Charts
- Maintenance orders and documents
- Further features

Duration: 2 days

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Walkinside Training

Training Simulation

ON REQUEST

Contents

This training conveys an introduction to the application "COMOS Walkinside" and is related to the Walkinside products "Viewer", "Editor" and "Instructor". With the help of an existing sample 3D model, it covers basic viewer and navigation functionalities and the handling of avatars. Another focus is the set up and handling of scenarios within the 3D environment of a simulated plant. This training is intended for instructors, who develop and create maintenance and incidents scenarios. Instructors will learn how to configure a training set up for several trainees and how to evaluate and check the training results.

Target Group

Plant engineers and instructors, specialized in 3D plant simulation and operator training

Prerequisite

Windows user knowledge

Overview

- Opening and viewing a 3D model
- Using viewing functionalities
- Running a scenario
- Creating a scenario
- Working with action types and inventory list
- Creating incidents
- Setting light and creating a full scenario
- Running a scenario in instructor mode

Duration: 2 days

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COMOS Training Integration Layer (PCS 7)

ON REQUEST

Contents

During the COMOS Integration Layer (PCS 7) training, students gain an insight into process-oriented and object-oriented data exchange between COMOS and the SIMATIC PCS 7 that allows efficient integration of planning and automation processes. Using a training project as an example, students learn about a typical workflow, especially preparation and administration within the COMOS software.

Target Group

Planners, developers (automation), engineers, project team members

Prerequisite

COMOS Training Instrumentation & Control

Overview

- COMOS / PCS 7 interface
- Configuring hardware
- Importing control module types (CMT)
- Creating DCS structure
- Excel import
- Function diagrams and standard functions
- Connection manager and reports
- Data exchange

Duration: 2 days

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COMOS Training DDMS

ON REQUEST

Contents

The COMOS training DDMS intends to convey the basic system settings and basic functions for document management. Focus topics are the methods for checking in, importing, exporting and the handling of document packages. At the beginning of the training the required configuration, project settings and simple administration tasks are trained.

Target Group

COMOS users working the fields of document, quality, supplier or COMOS project management

Prerequisite

COMOS Training Platform

Overview

- Preparing and configuring
- Importing documents
- Managing documents
- Handling document package
- Transferring documents
- Handling transmittals
- Workflows (example)
- Further functionalities

Duration: 2 days

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COMOS Training

Administration Base Objects

ON REQUEST

Contents

During the COMOS Administration Base Objects training, students acquire the practical knowledge and skills needed by the COMOS administrator to manage and extend the database, base object catalogs, tabs and symbols.

Target group

Experienced COMOS users, starting with COMOS administration

Prerequisite

COMOS Training Platform

Overview

- COMOS base project
- COMOS base objects
- Base objects for unit structure
- Handling of the context menu
- Tab & attribute catalog
- Handling of attributes
- Assigning standard tables and tabs
- Handling of symbols

Duration: 2 days

SIEMENS

COMOS Training

Administration Report Templates

ON REQUEST

Contents

During the COMOS Administration Report Templates training, students acquire the practical knowledge and skills required to create, modify and manage individual lists, datasheets and document templates in COMOS.

Target group

COMOS administrators

Prerequisite

COMOS Training Administration Base Objects

Overview

- Structure for document templates
- Queries
- Lists with automatic layout
- Lists with manual layout
- Single page / multi page data sheets
- Dynamic data sheets
- Interactive reports

Duration: 2 days

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COMOS Training

Administration Database Tools (iDB)

ON REQUEST

Contents

The training contains short introductions to tools and plugins in the industrial database, which ensure proper and effective handling of customized base objects. The key topics of the five tools are organizing and retrieving base objects on the one hand, bulk creation and bulk processing of base objects on the other hand.

Target group

COMOS administrators

Prerequisite

COMOS Training Administration Base Objects, preferable familiar with iDB

Overview

- Attribute tool: Create and search
- Attribute tool: Tabs and bulk import
- Processing base objects and icons
- Managing scripts and hardcoding

Duration: 1 day

Please note:

Training contents refer to industrial database (iDB) only. For experienced administrators, which are using cDB, this training might be interesting for getting a deeper insight into iDB.

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COMOS Training

Administration Easy Scripting

ON REQUEST

Contents

The training conveys the first steps for the topic "Scripting in COMOS" and is directly extending the base data know-how you have gained in "Administration Base Objects". It contains simple, practice oriented examples how attribute values or objects symbols are controlled und automated by scripts. Focus is the usage and configuration of prepared, "ready to use" codes (in VB Script) with IF and FOR-statements.

Target group

COMOS administrators, starting with scripting in COMOS

Prerequisite

COMOS Training Administration Base Objects

Overview

- Calculating attribute values
- Dynamic attribute values
- Extending object symbols
- Extending the context menu

Duration: 1 day

Please note:

This training is not supposed to convey programming methods and skills in a fundamental and structured way.

So, for your training success practical programming skills are not required, but you should bring interest, curiosity and affinity for this topic.

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COMOS Training

Administration Scripting

ON REQUEST

Contents

During the COMOS Administration Scripting training, the experienced COMOS administrators acquire the practical knowledge and skills required to automate, extend and individually adapt objects, documents and processes in COMOS with the help of scripting.

Target group

COMOS administrators, specializing in scripting

Prerequisite

COMOS Training Administration Base Objects and programming skills

COMOS Training Administration Easy Scripting (for students without programming skills)

Overview

- COMOS scripting basics
- COMOS objects
- Script library and clipboard scripts
- COMOS object model
- Navigation and symbol design
- Attributes
- Collections
- Managing scripts and hardcoding

Duration: 2 days

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COMOS Training

Administration Scripted Queries

ON REQUEST

Contents

This training is extending the know-how gained in “Administration Scripting” and conveys knowledge needed to script and automate queries. Besides an introduction to database search for engineering objects, several scenarios for scripting within queries will be demonstrated with the help of examples. Also, tools and supporting features for the handling of scripts will be explained.

Target group

Experienced COMOS administrators

Prerequisite

COMOS Training Administration Scripting and basic scripting skills

Overview

- Database search and script block “Action”
- Queries with scripting
- Queries via scripting and object debugger
- Using the “Search Manager”

Duration: 1 day

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COMOS Training

Administration PipeSpec

ON REQUEST

Contents

The COMOS Training Administration PipeSpec is focused on COMOS administrators and conveys the creation and management of pipe parts and pipe specs. A sample pipe spec with already existing pipe parts will be created.

Finally, the use of pipe specs in engineering projects with 2D and 3D views will be demonstrated.

Target Group

Planners, engineers, project team members specialized in pipeline construction

Prerequisite

COMOS Training Administration Base Objects

Overview

- Standards, standard tables, pipe part catalog
- Pipe parts
- Pipe spec administration
- Pipe spec in basic and detail engineering

Duration: 1 day

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COMOS Training

Administration Rights Management

ON REQUEST

Contents

The COMOS Training Administration Rights Management is imparting the principle methods and functionalities for managing users and rights. It covers topics like object rights, user groups, user roles and first steps for working with the USERS project. The training is focused on beginners and based on standard functions in COMOS.

Target group

COMOS administrators, specializing in project and user administration

Prerequisite

COMOS Training Administration Base Objects

Overview

- User and object management
- Working areas
- Groups
- Roles

Duration: 1 day

SIEMENS

COMOS Training

Administration FEED

ON REQUEST

Contents

The training Administration FEED is directly extending the base data know how you have gained in "Administration Base Objects" and conveys all steps for creating and configuring a customized FEED object (CDevice, device). Key aspects are the definition of design cases, preparation of simulation data import and the required document templates and attribute mapping.

Target group

COMOS administrators in the area of process engineering and design

Prerequisite

COMOS Training Administration Base Objects

Overview

- Creating and preparing base objects
- Creating document templates
- Importing simulation data
- Preparing and mapping attributes

Duration: 1 day

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COMOS Training

Administration P&ID

ON REQUEST

Contents

The COMOS Training Administration P&ID is extending seamlessly the basic know-how for base objects and is conveying specific topics regarding process engineering. One key aspect is the configuration of object symbols via text functions. The second part of the training contains several methods for configuring, linking and mapping of attributes.

Target group

COMOS administrators in the area of process engineering

Prerequisite

COMOS Training Administration Base Objects

Overview

- Subsymbols via attributes
- Subsymbols via elements
- Configuring and linking attributes
- Using mapping tables

Duration: 1 day

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COMOS Training

Administration Electrical

ON REQUEST

Contents

The COMOS Training Administration Electrical is extending seamlessly the basic know-how for base objects and is conveying specific topics regarding electrical engineering. Key aspects are creating and configuring object symbols, working with the so-called engineering tasks, by which workflows can be automated, and the handling of templates.

Target group

COMOS administrators in the area of electrical engineering

Prerequisite

COMOS Training Administration Base Objects

Overview

- Handling subsymbols and attributes
- Handling subsymbols and elements
- Basics for engineering tasks
- Creating and managing templates

Duration: 1 day

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COMOS Training

Administration ME

ON REQUEST

Contents

The COMOS Training Administration ME conveys an introduction to the principle and methodology of modular engineering (ME) in COMOS. On the basis of a P&ID-example the interaction and configuration of templates, engineering tasks, document placeholders and the working within the @Template node. Focus points are ME-specific objects like machine root node, modular concept diagram, variant drivers and the plugin "Modular Configurator" for the users.

Target group

COMOS administrators

Prerequisite

COMOS Training Administration Base Objects

Overview

- Creating objects and templates
- Configuring a modular concept diagram
- Extending the modular concept diagram
- Further features

Duration: 1 day

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COMOS Training

Moby Check Key User

ON REQUEST

Contents

The MobyCheck Training Key User conveys an introduction to the MobyCheck software, by which you handle and manage digital check lists. Focal points are the principle and the user interfaces of the applications. On a basis of a comprehensive example, the required workflows for creating templates and check lists, the processing on a mobile device and the monitoring by the control station are described. Also, this training is the basis for the system administration

Target group

Staff, which defines and monitors operational workflows, and future MobyCheck administrators

Prerequisite

Windows user knowledge

Overview

- Creating templates
- Creating and testing check lists
- Managing check lists and extending templates
- Further functions
- Creating maintenance elements with maintenance schedule

Duration: 1 day

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COMOS Training

Moby Check Administration

ON REQUEST

Contents

The MobyCheck Training Administration conveys basic know how for beginners regarding plant and system administration. Focal points are the management of users and user rights, accessing user interface elements and the exemplary usage of the generic data import. This training is a seamless extension of the MobyCheck Key User training.

Target group

MobyCheck administrators

Prerequisite

MobyCheck Training Key User

Overview

- User management
- Dialog permission
- Data import: Devices
- Extended functions

Duration: 1 day

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With the wide range of training courses to acquire directly applicable, comprehensive know-how and increase your knowledge. COMOS training aimed at first-time users, experienced users and to persons who work in the future in the context of projects with COMOS.

In addition, the training program for COMOS administrators gives you the opportunity to deepen the knowledge and skills.

Individual training is offered on request, tailored to your specific needs.

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