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Discover the value of your plant

Deutsche Kundentage
15 – 16.05.2019

siemens.com/comos

New Features in COMOS 10.3

Other: 68; 35%
Customer: 125; 65%

Div.: 28; 41%
Performance: 8; 12%
Improvements: 17; 25%
Database: 8; 12%
Interface Adoption: 7; 10%

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COMOS Product Roadmap

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CY 2019				CY 2020				CY 2021					
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	…	Q4

V10.3   * V10.3 SP2   V10.3 SP3   V11   XXX
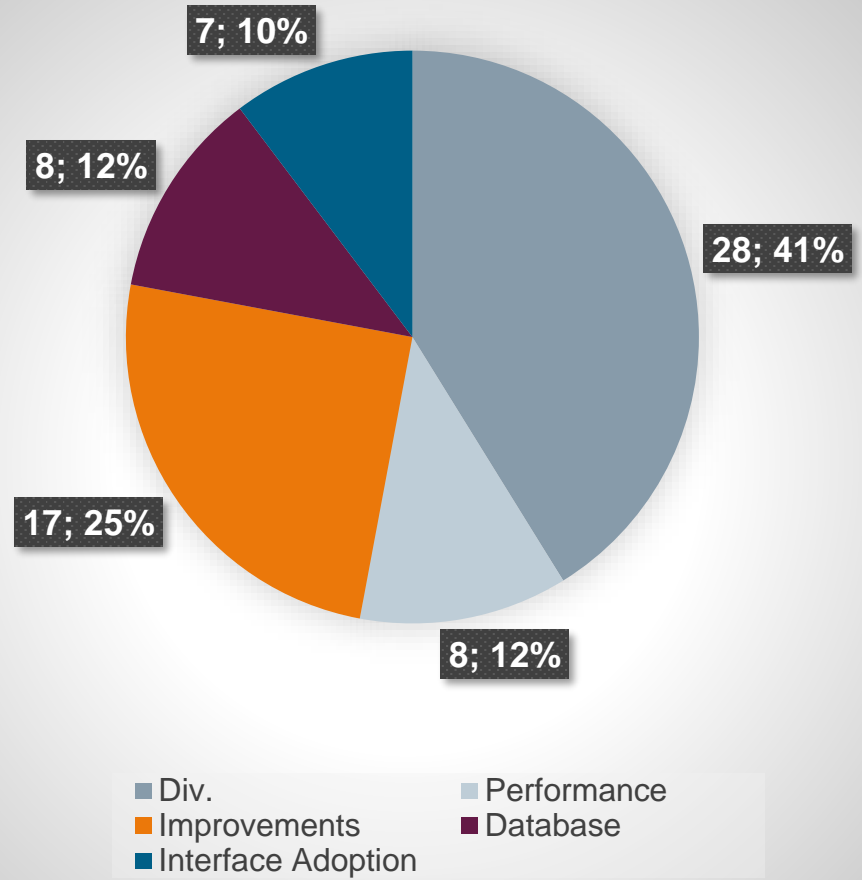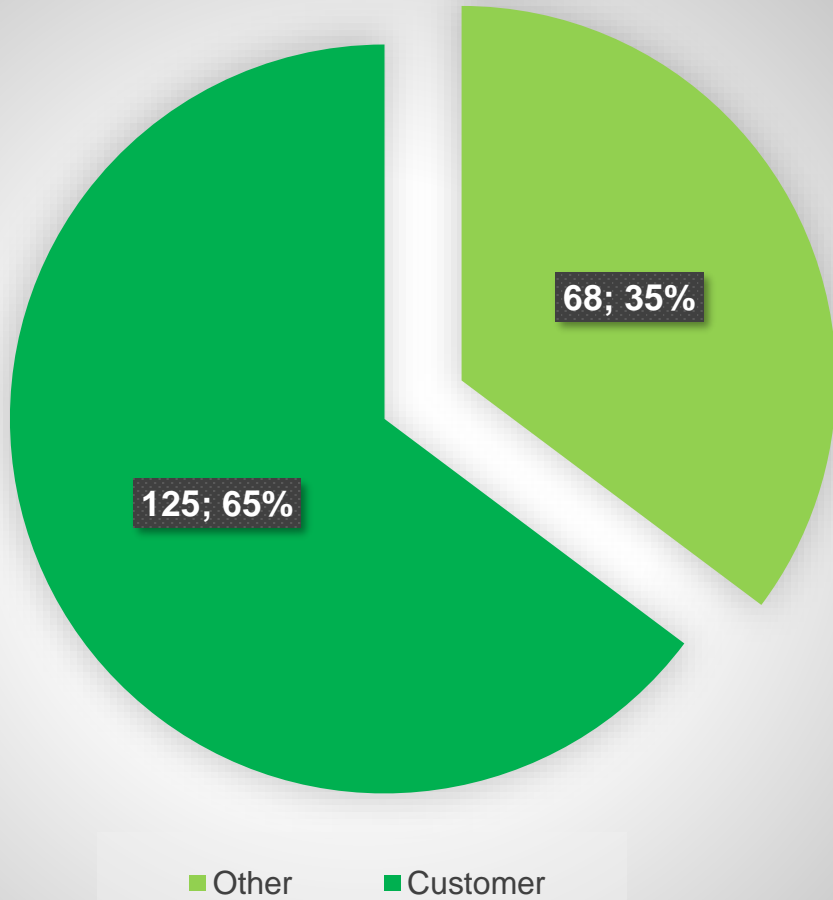
* V10.3.1 reserved for PlantSight DE release

Version V10.3

Product Release:
Digitalization,
Modular Engineering

- COMOS Engineering Portal
- PERT / GANTT
- Modular Engineering
- Usability improvements for Operations
- Rest-API for customer use
- Bulk editing in Web environments

- Navigation and Hot-Spotting in Web reports
- COMOS as a managed Service

03.04.2019   Thomas Nipkow / DI PA AE CIS PRM

Basic

COMOS Platform

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Description

- Modernized new TOP Control for Database query
- Support of OR conditions

Benefits

- - Easy Configuration
- - more flexibility for administrators
- - simplified end user interface

COMOS Platform

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Description

- New control type Radio Buttons provide extended possibilities of setting the attribute characteristics

Benefits

- All options directly visible for end user
- Existing standardtables can be reused
- Simple, intuitive handling
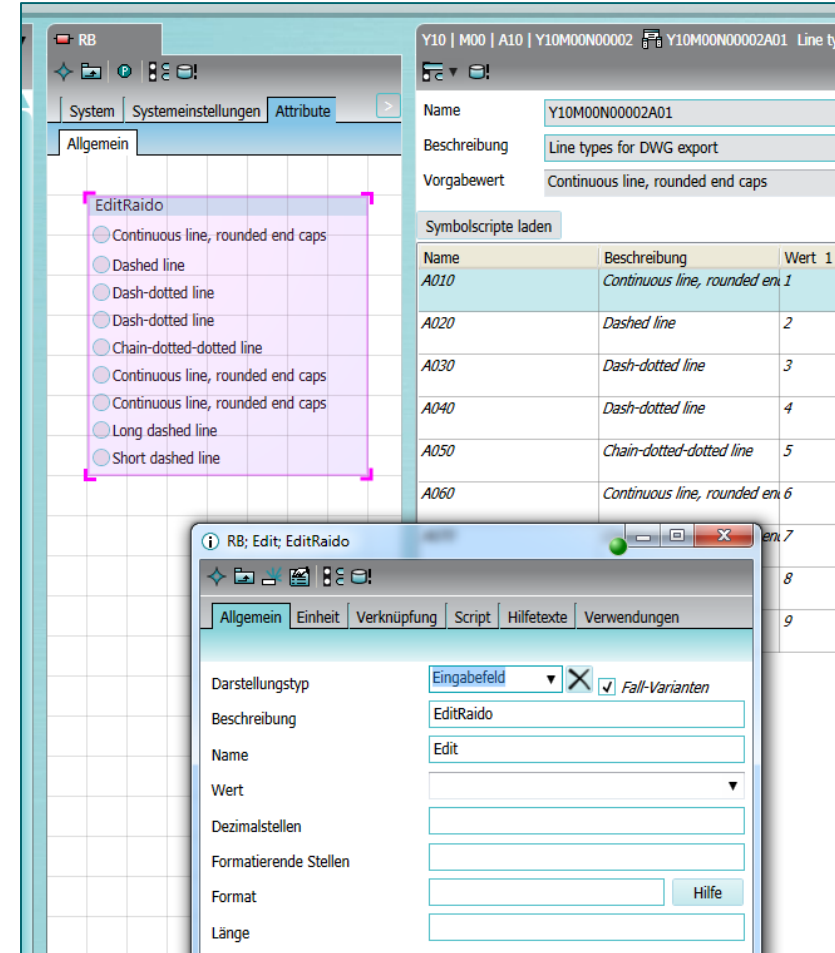
PQM

COMOS Lifecycle
COMOS PQM – Document loading plugin

Description

- Redesign of document loading plugin
- Added as copy option
- Added rule based approach for owner

Benefits

- More documents in a batch possible
- Easy handling of document imports
- In rule based mode the owner will be searched / structure will be created
- Simplified, clear workflows
- Time savings

Thomas Nipkow / DI PA AE CIS PRM
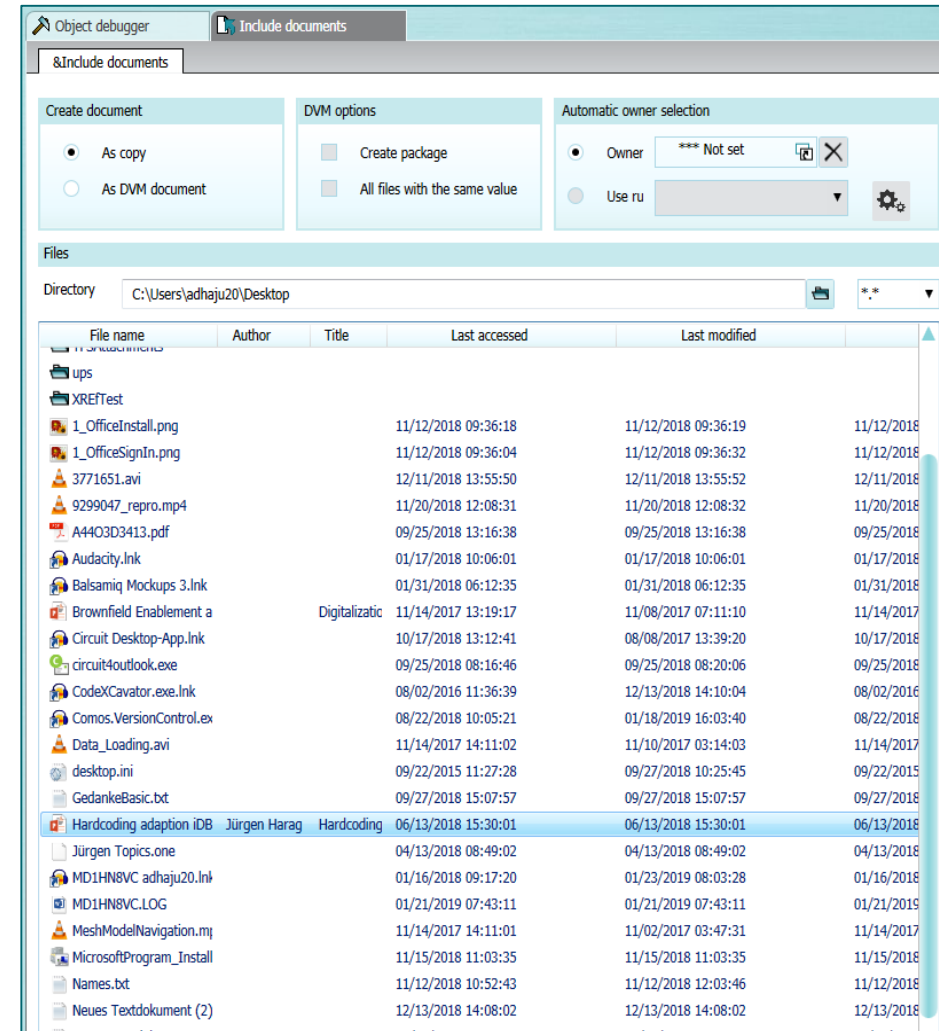
COMOS Lifecycle
COMOS PQM – Document execution plan

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Description

- Assign documents to multiple units / plants in a bulk action
- Different catalogs can be used (simple base object structure)

Benefits

- Fast way of creating / assigning documents
- Test specifications can be applied in a bulk action
- Catalog can be reduced by selection specific nodes
- Bundled, all in one place
- Simplification of work processes for Administators, Super- and Power User

Thomas Nipkow / DI PA AE CIS PRM

COMOS Lifecycle –
COMOS PQM – Document subscription

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Description

- Subscribe a document to get informed on a new revision creation or a new version checkin

Benefits

- User gets informed on changes by the system
- Only get informed for specific documents

PDI Teamcenter
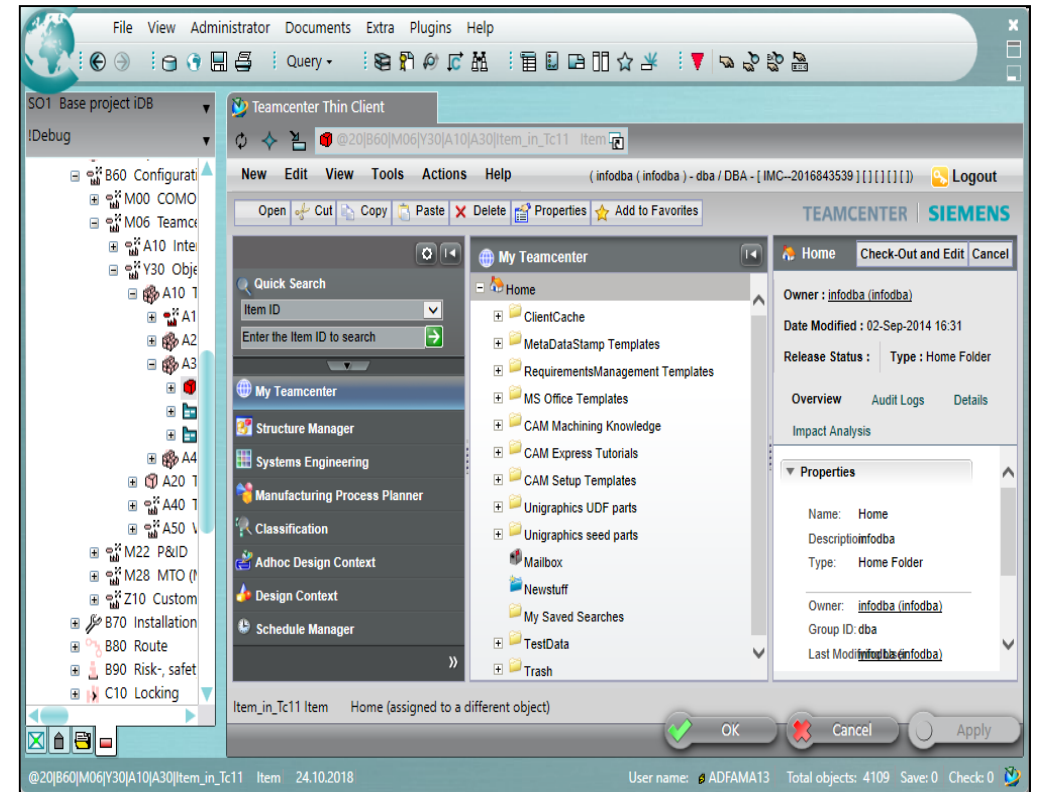
COMOS Platform
PDI Plant Data Interface to Teamcenter

Description

- TC web browser plugin
- TC Connection status visualization

Benefits

- Direct access to TC data out of COMOS via web browser
- Search for Data/Documents with TC web client / Active Workspace
- Assign TC Objects and Documents to COMOS objects via drag and drop
- Less efforts in workflows
- Time savings

Report

COMOS Platform
Report - Access to Subreport and Masterreport via Reference Objects

Description

- Working overlay dependent report templates supported in iDB require COMOS documents. Up to now for Subreport, List and Masterreport configuration the file full path was used.
- Now the reference objects can be used.
- Access via file path independent of usage of reference objects available

Benefits

- Simplified creation of report templates– access via COMOS documents.
- Objectoriented - the report templates are directly linked to the relevant object
- Less efforts in workflows
- Time savings
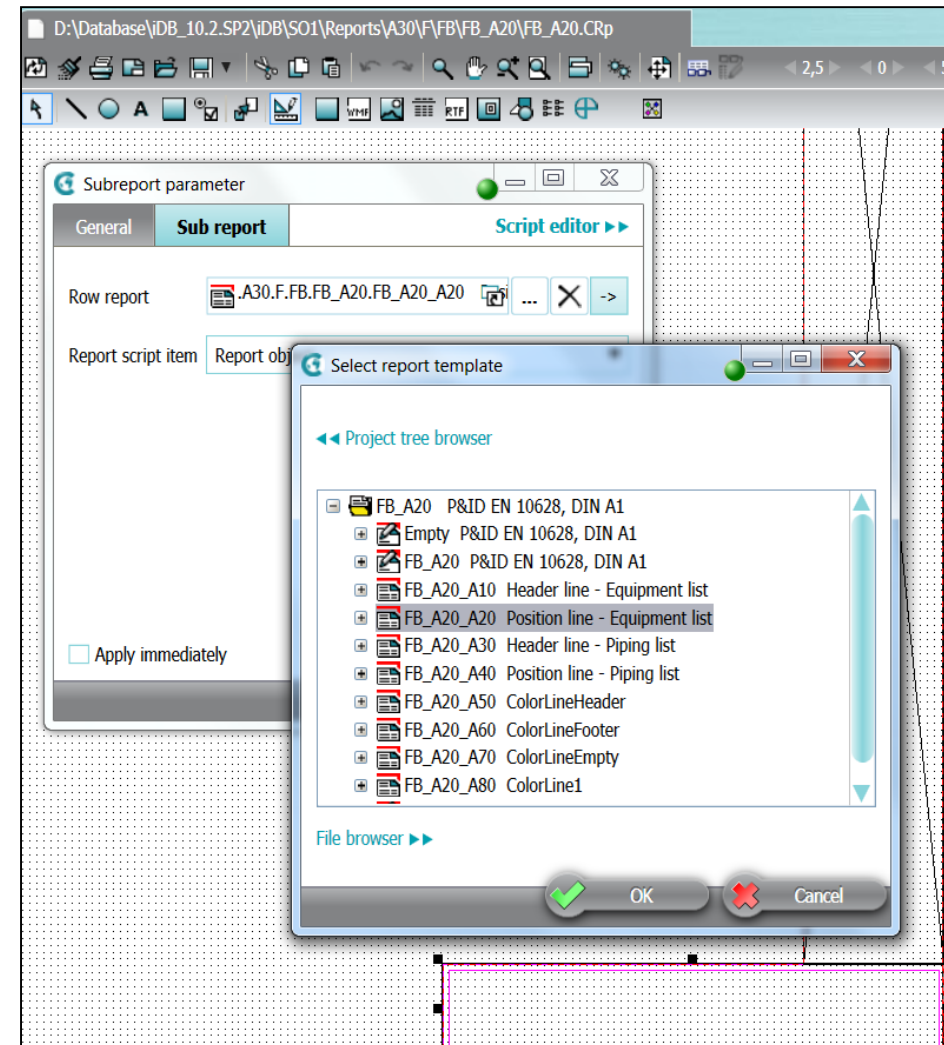
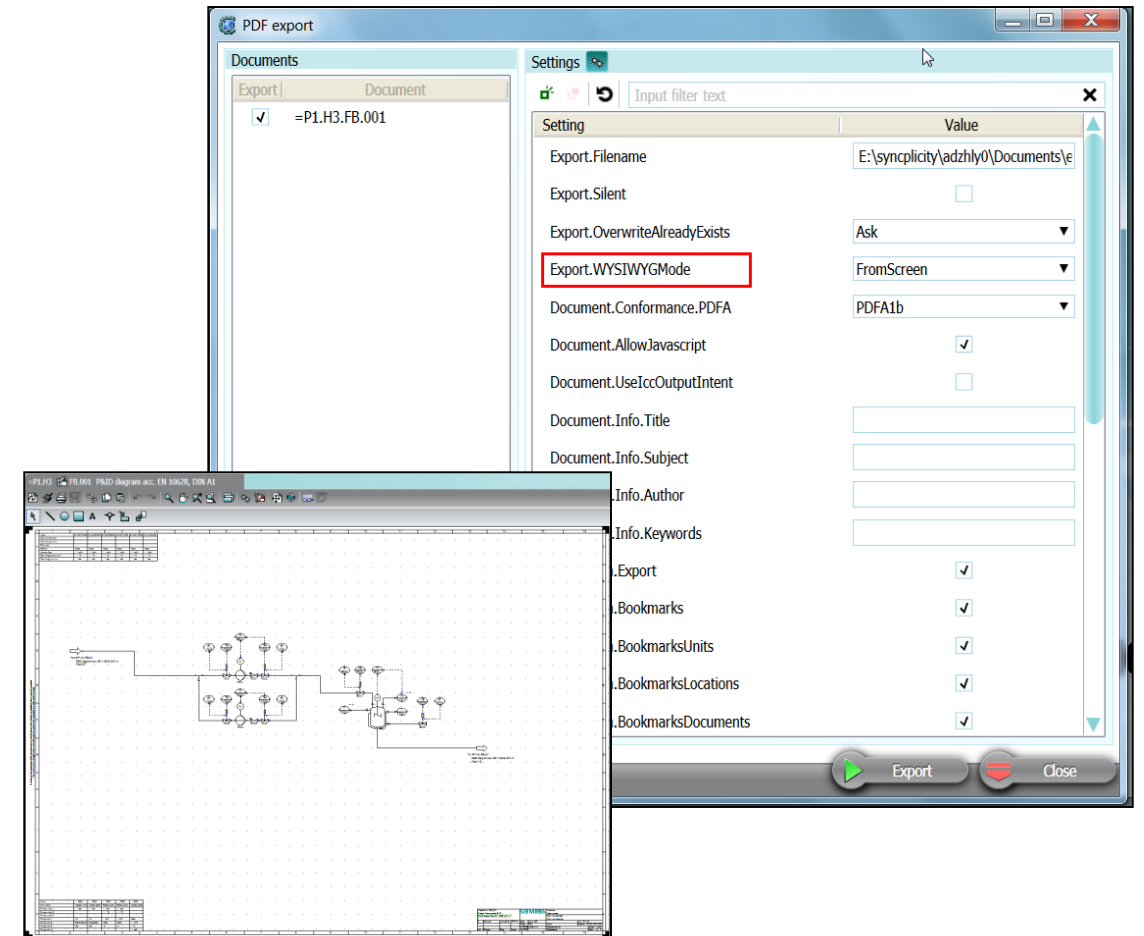# COMOS Platform
Report - PDF-A Export

Description

- Export to PDF-A based on EMF technology

Benefits

- Now available: New technology provides intelligent, navigable PDF-A documents

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Engineering Portal

COMOS Engineering Portal
Access to product data by web

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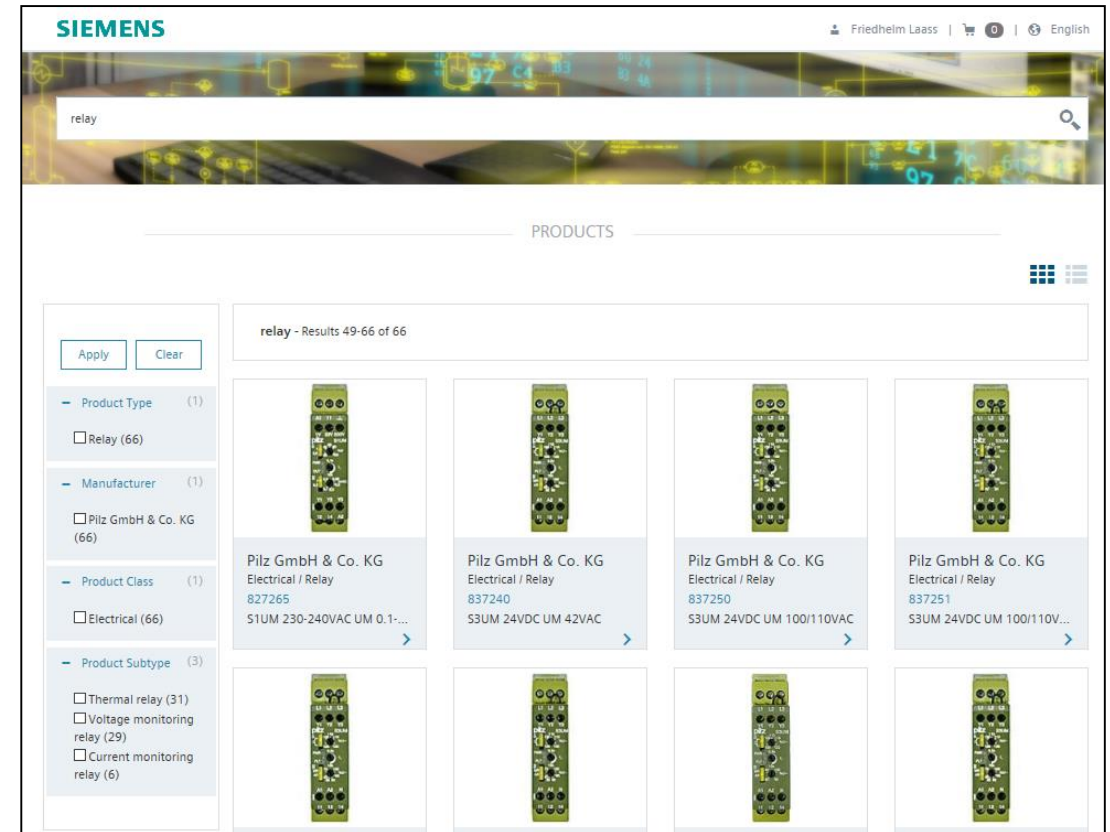
Description

- The COMOS Engineering Portal provides product data in COMOS format for easy use in the projects
- Data available for engineering and base objects
- Access by COMOS Product Selector and free for use for customers with a maintenance contract
- Filters and general search bar for easy data search

Benefits

- Speeds up engineering time & reduces administration time
- High data quality through standardization
- High accuracy of the order lists for the plant components
- Reduction of sources of error and costs
- Available in German, English and Chinese
- Supports manufacturer data sheets

Thomas Nipkow / DI PA AE CIS PRM

COMOS Engineering Portal
Product Selector - New interface for data transfer

Description

- The COMOS Product Selector makes it easy to add your own product data to the ones provides by the portal
- Supports the COMOS Engineering portal, local base objects and configurators

Benefits

- Compatibility to already defined products in the customer database
- New procedure caller, no change in existing software
- One interface for all products
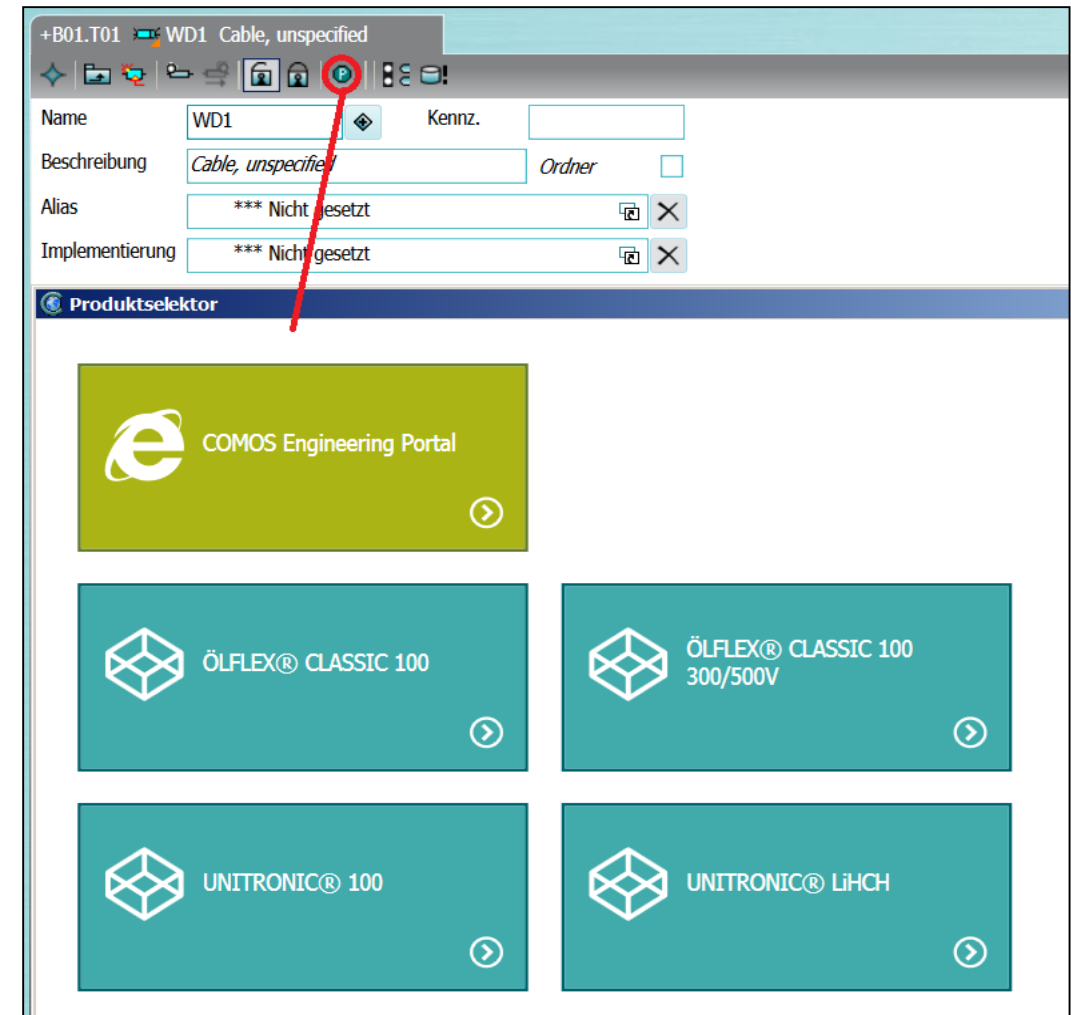
Automation

COMOS Automation
COMOS Modular Concept Design

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Description

- Graphical definition of engineering rules
- Parametrization UI for Rename, Merge, Set Attribute and base object change
- Define rules for Configurator UI and execution
- Enhance your existing templates for rule based use

Benefits

- Task specification made easy
- Define your dynamic configurator UI fast and easy
- Simplified workflows enable significant time and cost savings

COMOS Automation
COMOS Modular Configurator

Description

- Dynamic rule based Configurator
- User guidance throughout the configuration
- Variant handling based on Value driver definition
- Relevant value driver shown dynamically
- Modular Engineering for all disciplines

Benefits

- Configure your plant rule based
- Easy configuration even in proposal phase
- Variant handling over disciplines
- Simplified workflows enable significant time and cost savings
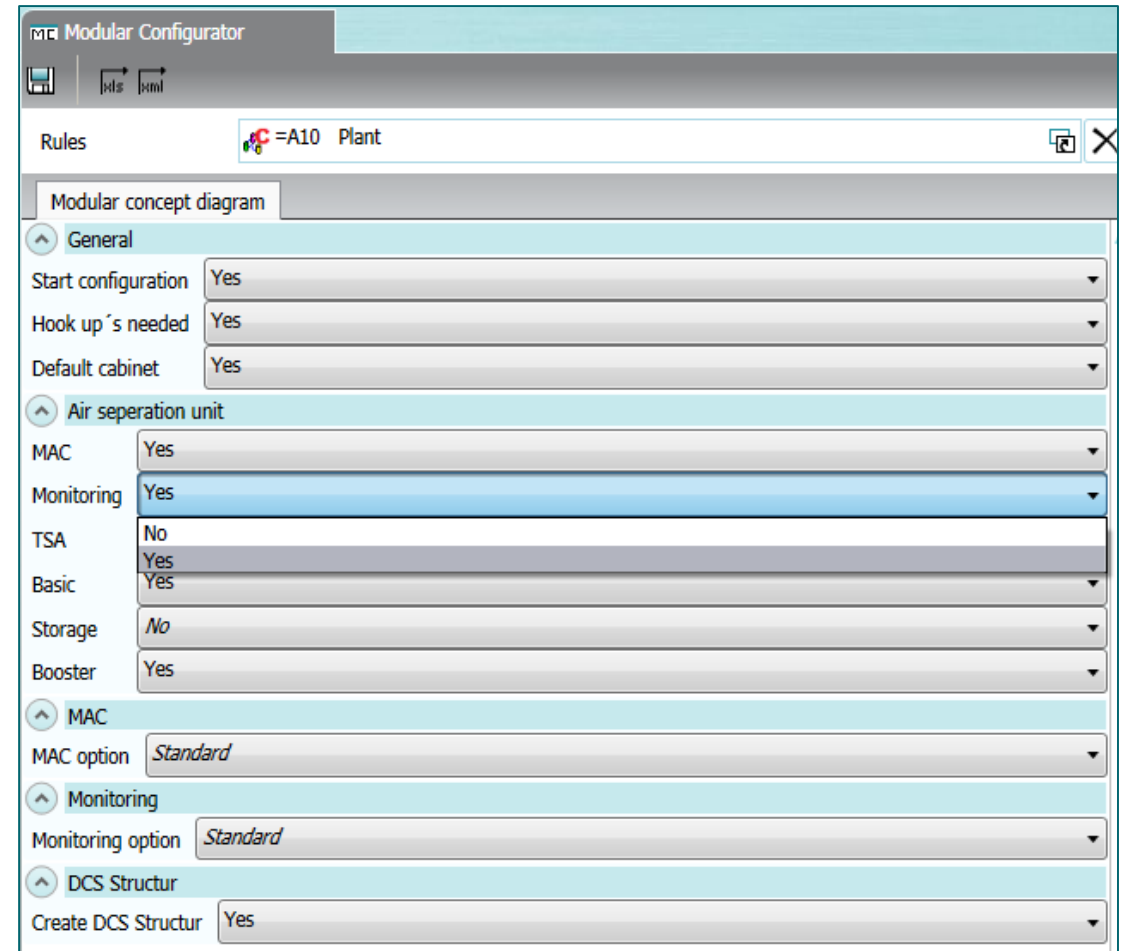
COMOS Process
COMOS P&ID – Modular Engineering

Description

- Based on COMOS Modular Configurator
- Place & dissolve configurable assemblies in one step incl. creation of connections & undo/redo capability
- Connect pipes across assemblies

Benefits

- Configure your plant with rule based assemblies
- Speed up your proposal and design phases
- Handle & compare variants of your plant
- Simplified workflows enable significant time and cost savings
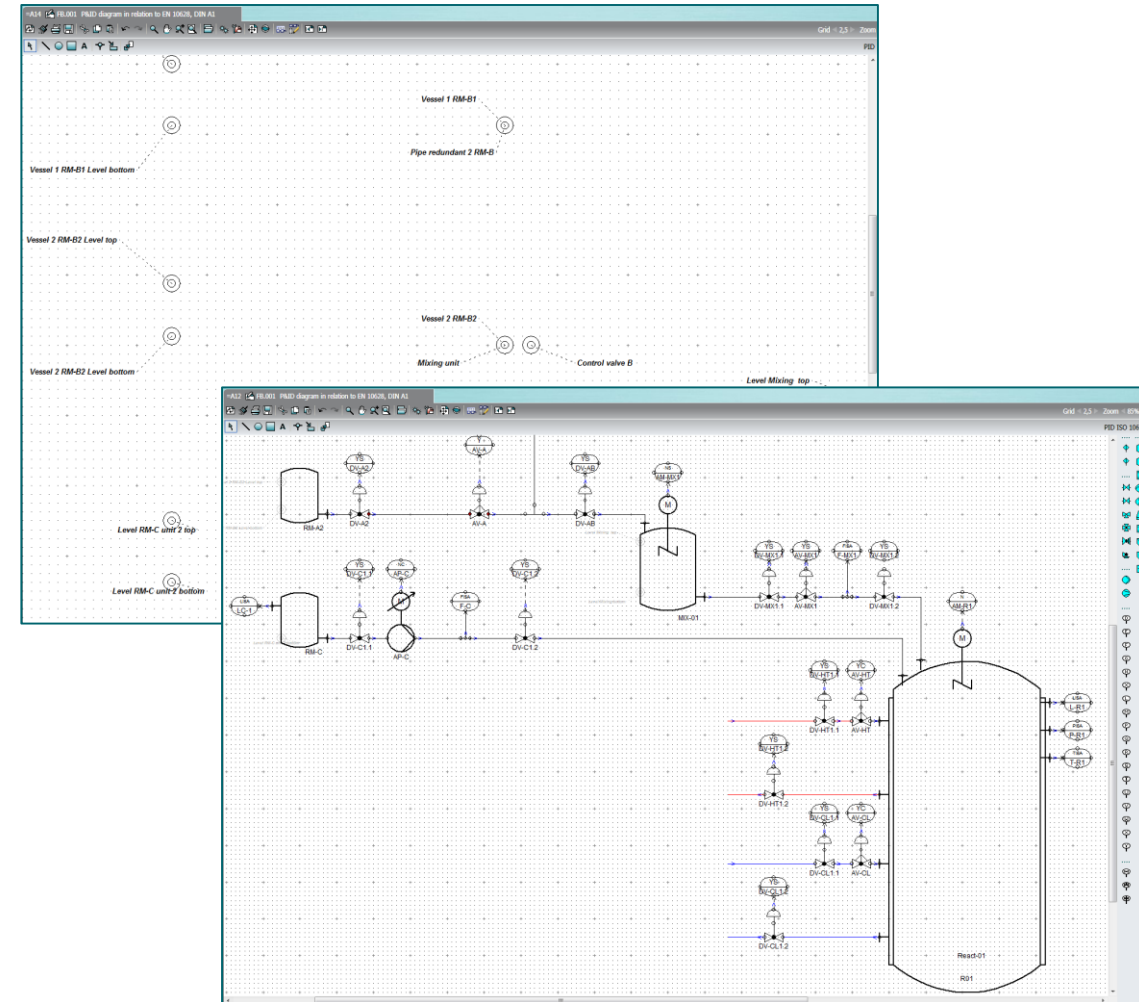
PDMS

COMOS Process
PDMS/E3D Engineering Interface - Sequence check

Description

- Allows the assignment of E3D to COMOS in a graphical way
- Piping component sequences can be calculated per pipe in COMOS and PDMS/E3D and compared against each other.
- Inconsistencies are displayed in a graphical list. The tool provides zoom and add utilities to clarify inconsistencies between the sequences.

Benefits

- Out of the Box solution! No customizing required when running on iDB
- Clear overview of all components at a glance
- Graphical representation of sequences including assignment information
- Various ways of displaying inconsistencies
- Untagged items are assigned & missing components are created in order
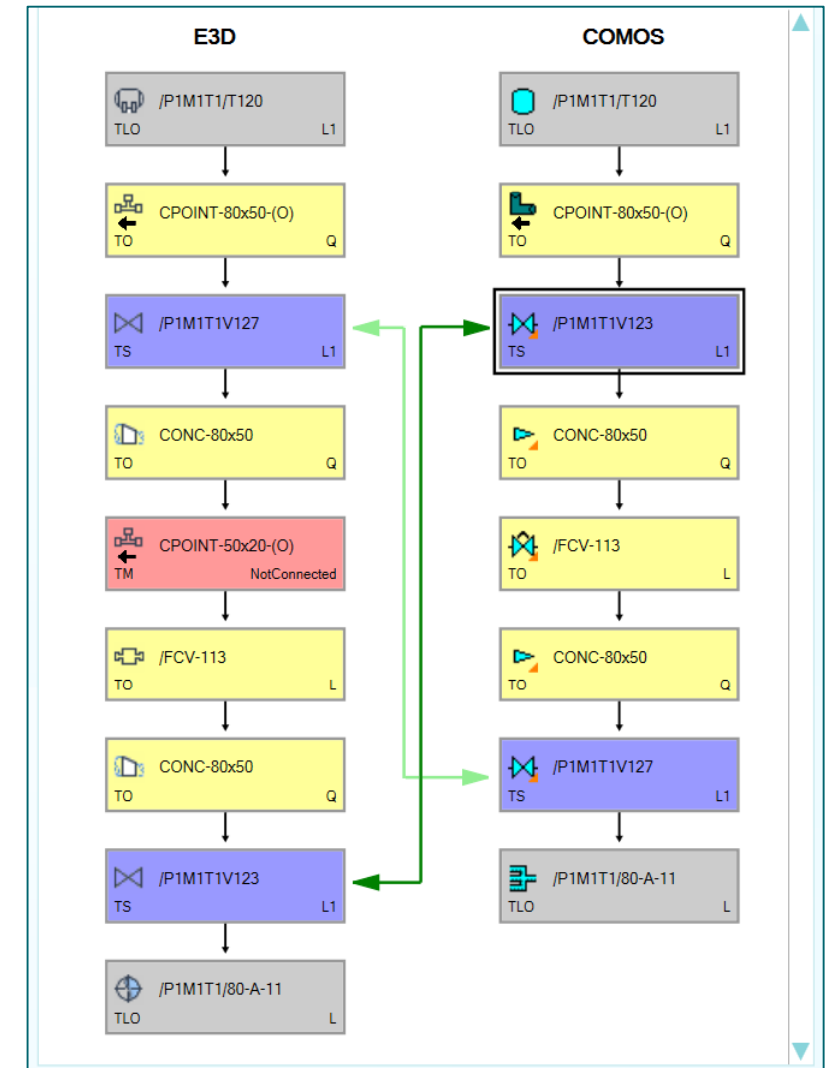
Mobile Solutions

COMOS Lifecycle
Mobile Solutions - REST WEB API

Description

- Defined REST WEB API Functionalities GET, SET and CREATE COMOS data
- Creation of own application for customer specific workflows
- Editable in COMOS Web

Benefits

- Higher flexibility
- Simplified work processes
- Time savings
- Allows working in COMOS anywhere, at any time

COMOS Lifecycle
Mobile Solutions - Editable Queries

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Ingenuity for life

Description

- Editable results of Queries in COMOS WEB
- Single and Multiediting of Values in COMOS Web
- Sorting and Filtering of the Query results

Benefits

- Higher transparency when working in COMOS Web
- More efficiency through Multiediting of Values
- Allows working in COMOS anywhere, at any time

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03.04.2019

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COMOS Lifecycle
Mobile Solutions - Integration of 2D Client and Walkinside

Description

- Interactive Reports can be shown in COMOS WEB without revision
- Seamless navigation through 1D to 2D and 3D data
- Navigation from object to the 3D View in Walkinside
- COMOS Data can be visualized in 2D and 3D in COMOS WEB

Benefits

- Always up-to-date status of data visible
- Reduction of error sources
- Data (COMOS Objects) can be visualized in 1D, 2D or 3D (Walkinside)
- Allows working in COMOS anywhere, at any time
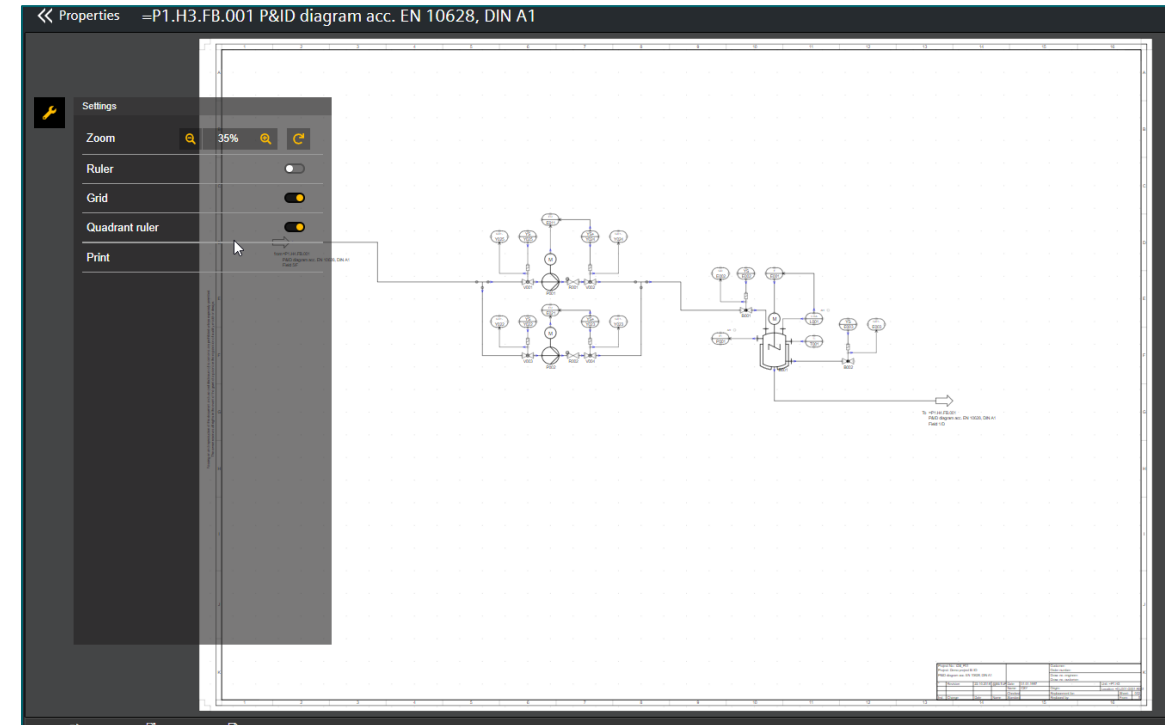
Walkinside

COMOS Lifecycle
Walkinside - Viewer

Description

- New 'Unlit' rendering mode allows much better representation of the graphics

Benefits

- Enhances Brownfield project visualization to make them look more realistic

Extra mode

NEW Unlit mode

iDB

COMOS iDB Content – Best Practice Oil&Gas
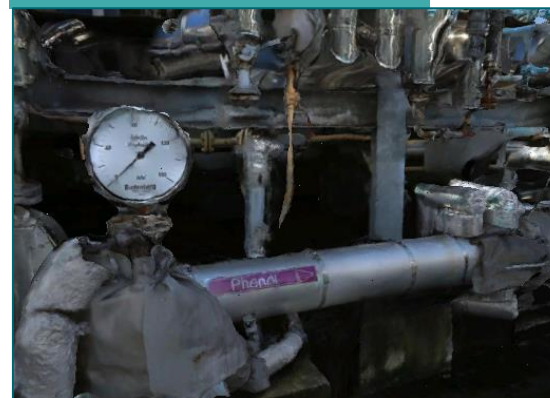
Description

- **Universal tagging system**
- Extended symbol library
- New sheet references
- Extended datasheets
- Combined FEED and P&ID structure
- Template project allows user to start Best practice O&G out-of-the-box

Benefits

- Industry proven standard solutions to reduce costs and raise quality
- Allow customers to implement COMOS in less time

Consistent process engineering and design

COMOS iDB Content – Pharma

Description

- **Extended Platform functionalities**
  - Workflow settings, new approval workflows, new tasks for task management, Esign)
- **Extended PQM functionalities**
  - Document references, markup files, email distribution, workflow list, version history, AutoCAD Revision
- **Extended WebPQM**
  - New Web task type, new actions, Web Esign

Benefits

- Supporting customer projects by using COMOS as a project quality management tool
- Allow customers to implement COMOS in less time
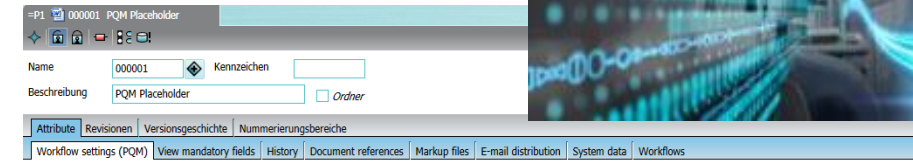
Compliant data and document management

COMOS iDB Content – Out-of-the-box MRO

Description

- **Best practice workflow examples for MRO & commissioning**
- MRO Reports
- Enhanced shift management
- Statistics, Work permission
- Feedback enhancements

Benefits

- Reduce costs by using single source of information and pre-defined MRO-strategies
- Allow customers to implement COMOS in less time

Intelligent mobile maintenance

Operations

COMOS Operations – PM Chart

Description

- Highlight overlapping dependencies
- Free selectable connection points at the symbols
- Comment fields
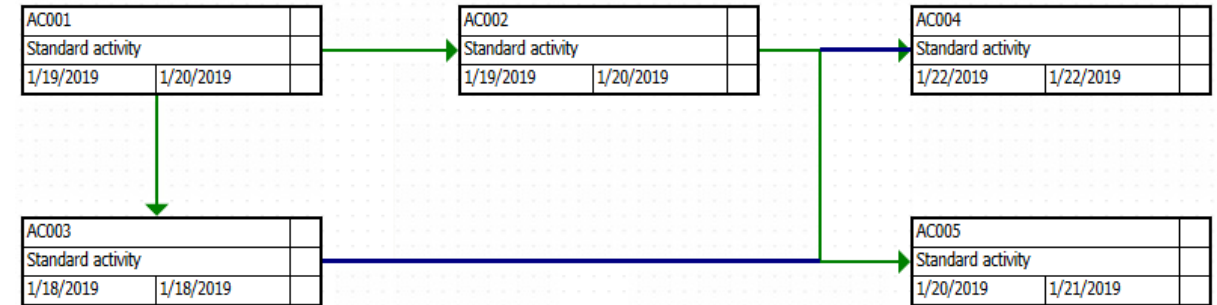
Benefits

- Better overview about the course of the dependencies
- Possibility to choose the exit and the entry of task object
- Easy communication with other users on the diagram by using comment fields.

COMOS Operations – PM Chart

Description

- Temporary area
- Project structure view control

Benefits

- Possibility to preconfigure a part of the diagram and drag & drop it all together to the correct place of the network diagram
- Clear view on the project structure and an easy way to open the Gantt chart or network diagram from other projects
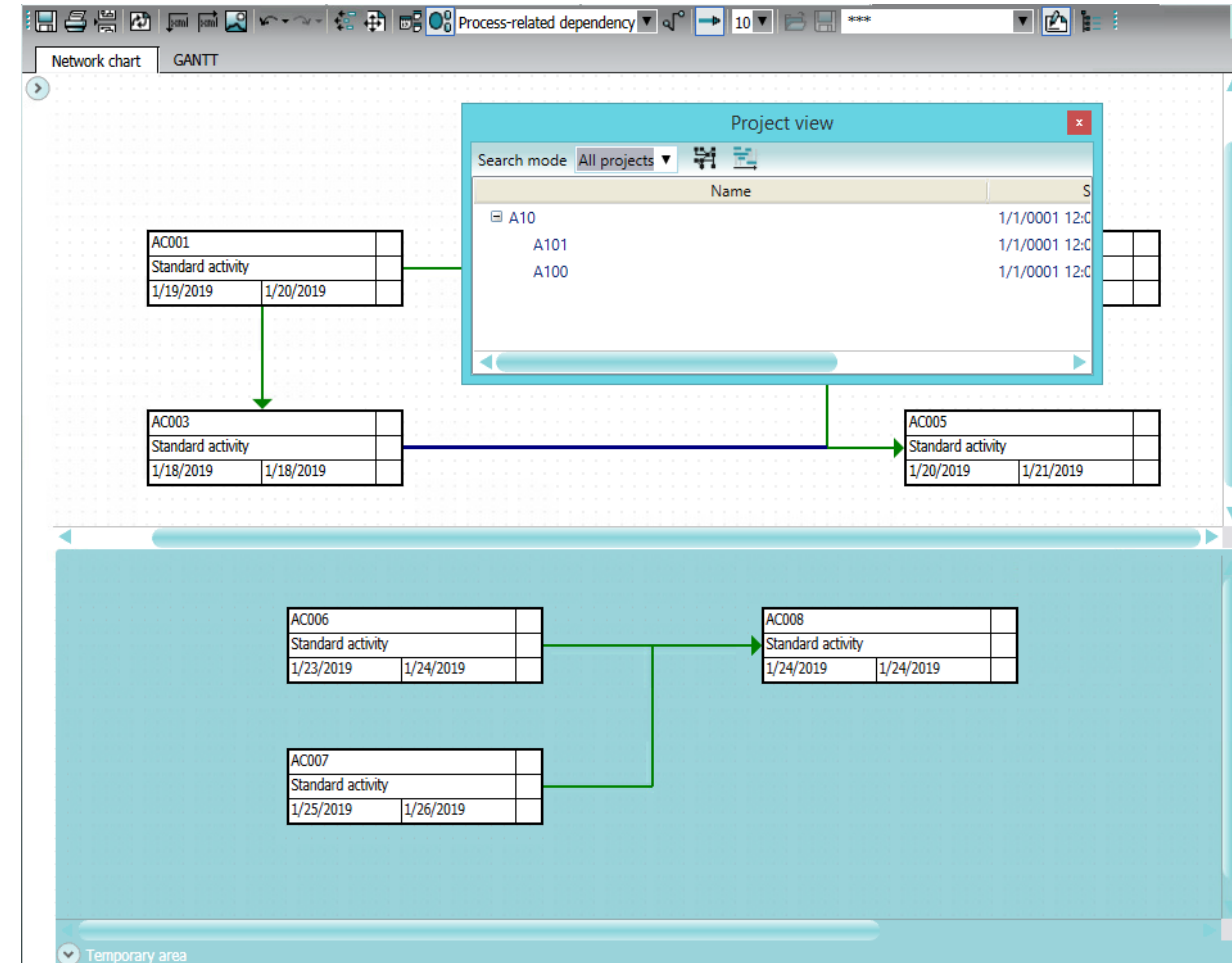
COMOS Operations – PM Chart

Description

- Hierarchical structure in the Gantt list
- Check of date collisions
- Free text row in the Gantt list

Benefits

- Good overview about complex project structures
- Automatic check for date collisions with the possibility to navigate to the related activities
- Possibility to create a separator row between activities or projects with comments
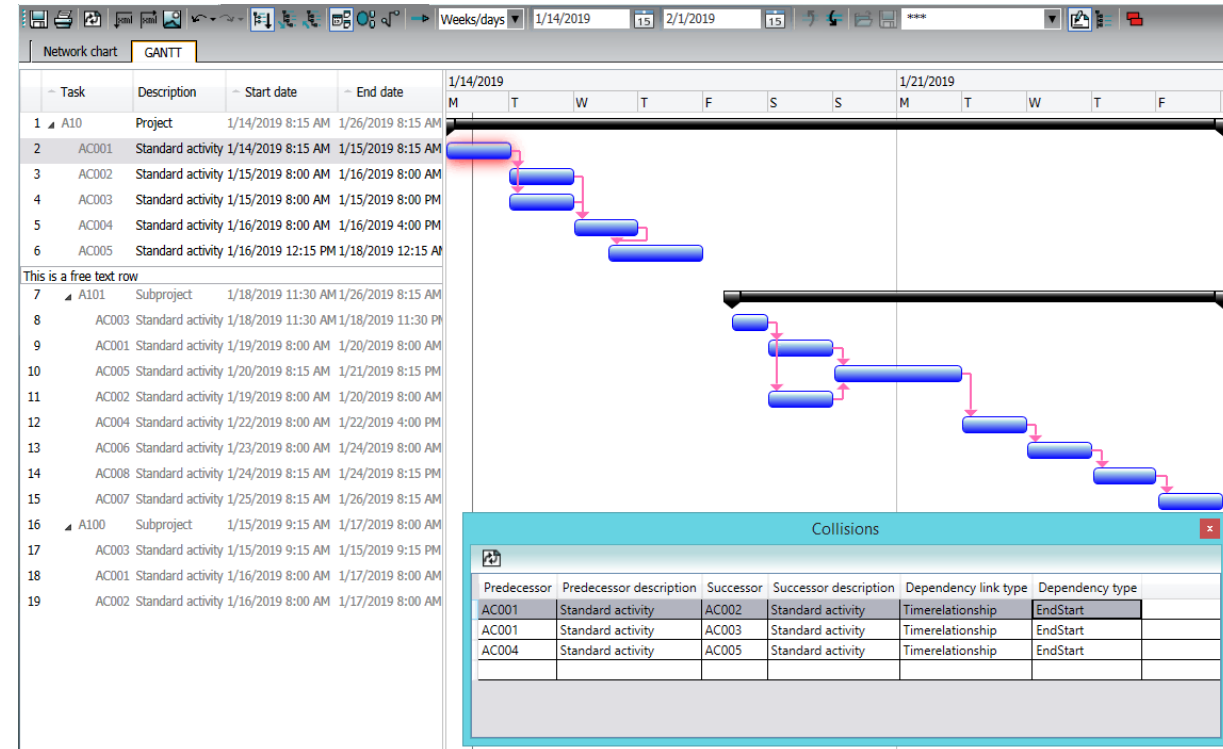
Mobile Operations

COMOS Operations
COMOS MRO – Mobile Operations

Description

- Now available: Win10 Support

Benefits

- Provides a wider range of mobile devices
- Increased flexibility in work processes

Ausblick

Roadmap Disclaimer
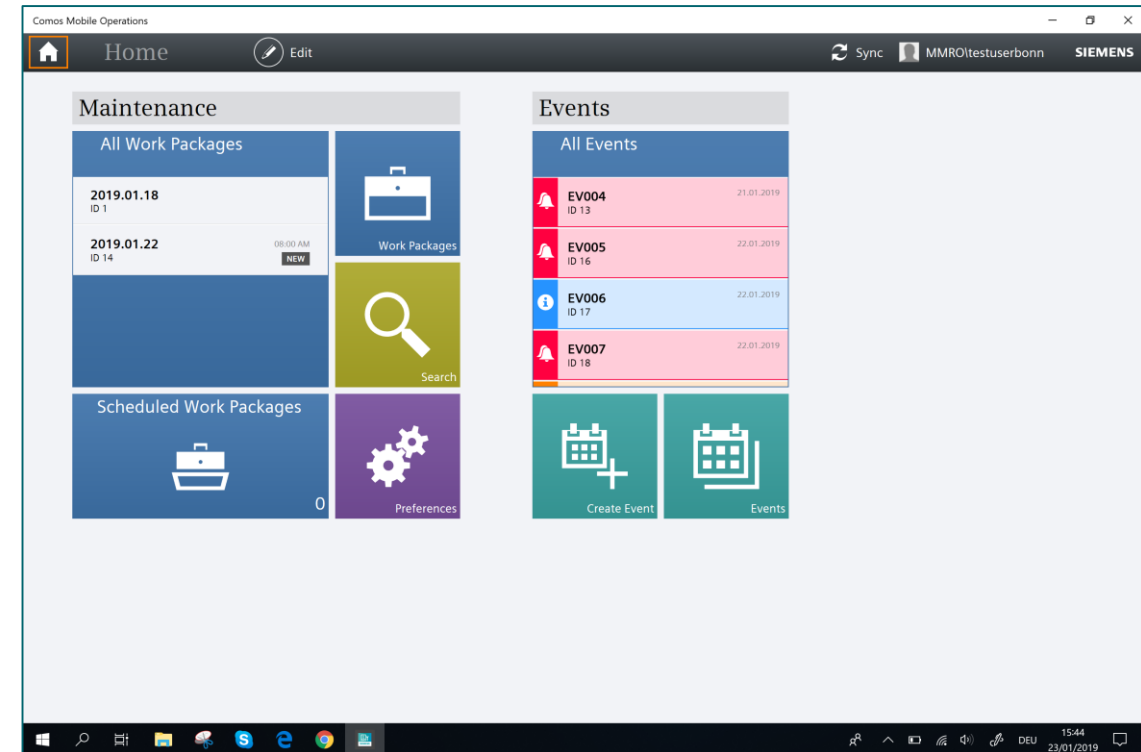
The published roadmap is NOT A COMMITMENT FOR DELIVERY but rather a forward looking view to communicate the product directions and plans

- The products organization reserves the **right to adjust the roadmap** at any time and in any way

  - as refinements to the requirements and costs are better understood

  - to accommodate changing priorities, technologies, and commitments

- When a customer requires a commitment for a future deliverable, there is a formal commitment request process

  - This process requires that a specification is agreed upon between the requesting party and the products organization along with an approval process that considers the assesses the risk of making the commitment to the overall plans and roadmap

- This document is intended to provide a broad and hi-level overview of the key solutions and themes for COMOS releases coming out in the next 1 year timeframe. It is NOT intended to be a replacement for the Release Notes or detailed enhancements in various releases of COMOS.

COMOS Product Roadmap

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CY 2019				CY 2020				CY 2021					
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	…	Q4

V10.3   * **V10.3 SP2**   **V10.3 SP3**   V11   XXX

* V10.3.1 reserved for PlantSight DE release

Version
V10.3.2/V10.3.3

Product Release:
Data Management

- SWS-Requirements
- UX Mobile
- Smart Plant P&ID Interface
- Free Property
- VB Script Alternative
- Central Storage Management
- 2-D Viewer

- Task management
- Tagging Service
- Enterprise Server via Webservices

COMOS Product Roadmap

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CY 2019				CY 2020				CY 2021					
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	…	Q4

V10.3　　* V10.3 SP2 SIPEC　　　　　　V10.3 SP3　　　　　　　　　　　　　V11　　　　　　　　　　　　　XXX

* V10.3.1 reserved for PlantSight DE release

Version V11

Product Release:
Cloud, Services

- SWS Requirements
- Micro Service enabled
- 2-D-Editor
- iModel data interface
- Cloud Agnostic
- XHQ/Mindsphere

- Working Layer enabled for the future
- Single Source of Truth
- UX Web
- UX Desktop

For a better time-to-market a new release strategy will be established

➢ **To release much faster and more often new features**

➜**For development COMOS versions only service packs**

PLAN	2019												2020												2021												2022											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12

COMOS 10.3 ▲

- COMOS 10.3.1 ▲ *

- COMOS 10.3.2 ▲

- COMOS 10.3.3 ▲

- COMOS 10.3.4 ▲

COMOS 11.0 ▲

- COMOS 11.1 ▲

* Internal COMOS release

▲ Planned/Subject to modification

▲ Exact date must be specified

Dankeschön

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