

Companies need consistent information flows and processes to be able to launch innovative and high-quality products into the market. Both are critical requirements for the efficient collaboration between construction teams at various locations and external partners. This applies to developing new but also to changing existing products. Controlled team development of one and the same product as well as the use of product data by sales, production planning, process planning, production and order processing accelerates the processes. The SAP Engineering Control Center interface to NX provides functions required for this purpose and integrates the NX CAD application into the SAP system.

Benefits and advantages at one glance

- Straightforward linking of NX drawings and models to other SAP objects
- Consistent integration of engineering data into the business processes
- Minimized search times, company-wide access to up-to-date NX data
- Reduced error rate thanks to controlled change and release processes
- Simplified data exchange and collaboration across distributed sites
- Increased standardization and a higher reuse rate across the company
- Simple adjustment of functions to functional requirements
- Helpful job facilitation through automated routine jobs and processes

Product description

The SAP Engineering Control Center interface to NX provides functions for managing NX models and drawings consistently and securely in the SAP system. The SAP PLM functions are called directly from the NX GUI via a separate menu bar. The PLM interface provides full access to the product data management functions of the SAP system.

You can simply link NX models and drawings to other SAP objects, for instance materials, equipment items or functional locations. When creating a new NX model, a material will be automatically created. Bills of material and where-used lists are also automatically generated.

Scope of functions

Management of parts, assemblies and drawings

- Convenient creation, editing, searching and display of documents
- Labor-saving use of the SAP class system
- Automatic creation of previews
- Secure and controlled saving of NX models in the SAP system
- Quick retrieval of NX models with the search functions of the SAP class system
- Convenient management of part families
- Flexible saving of edited design documents with or without change entry
- Automatic creation and saving of light formats in the SAP system
- Automatic completion of the drawing header with data from document and material
- Simple linking of CAD documents with other SAP objects

Management of material data

- Automatic linking of documents with materials
- Quick creation of material data when creating new NX models including automatic material number assignment
- Simple editing of material data of an NX model
- Well-structured display of material data of an NX model
- Efficient search of materials using the SAP class system

Management of BOMs

- Automatic creation of BOMs
- Automatic update of BOMs when changes have been made on NX models
- Needs-based selection of BOM display types (preset multi-level tool box structure)
- Well-structured display of the parts usage by where-used information

Display of SAP data for parts and assemblies

- Display of document data of a work part or drawing loaded in NX
- Display of the product structure of the active NX model
- Online linking between NX and the SAP system with permanent data updating in both systems
- Transfer of parts and assemblies to the SAP system

Data protection and consistency

- Controlled filing of NX models and drawings in the SAP system
- Controlled check-in and check-out functionality
- User and rights management
- History management in form of a status log

Support of the master model concept

- Support of the entire NX master model concept
- Support of typical NX engineering technologies such as top-down construction

Licensing

For SAP Engineering Control Center interface to NX DSC grants named-user licenses. The licensing is made in accordance with the rules of SAP SE for named-user licenses. The number of users determined by SAP may exceed the number of licensed users.

Technical information

Technical and functional specifications are subject to change without notice.

System requirements

- The add-on SAP Engineering Control Center interface to NX requires SAP Engineering Control Center Professional 5.1 by SAP SE.

CAD systems

- NX8.5, NX9, NX10, NX11
 - For all NX versions we recommend the newest hotfixes.
 - NX 11 requires SAP Engineering Control Center Professional version 5.1.5.0.



Imprint

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