

# ProStructure

## SAP Solution – Structure Management Client



### PRODUCT FACTS

ProStructure enables the controlled creation of multi-level product structures that can be derived and modified from a reference structure. If the reference structure is changed, the target structure is synchronised manually or automatically. ProStructure can also be used to compare two structures.

### Functions

- Structure comparison of any material BOMs
- Structure comparison between iPPE product structures and material BOMs
- Structure comparison of project BOMs
- Structure comparison between material BOM and project BOM
- Managing the structure relationship
  - Status management
  - Conflict management
  - Authorization
- Splitting multi-level structures into different structure relationships
- Intermediate storage of the processing status (staging area)
- Processing multi-level material BOMs
- Development of structural relationships for existing structures
- Automatic transfer of the reference structure
- Display of objects that have not been installed in the target structure (worklist)
- Change in the target structure
  - Inserting / removing parts list items
  - Quantity split
  - Conversion of components into assemblies
  - Structural changes via Drag'n'Drop
  - Elimination of dummy BOM levels
- Change item data (individual / mass maintenance)
- Inserting subitems
- Configurable selection of structure relationships
- Configurable validation rules
- Configurable field control for assemblies and components
- Definable validities for exploding the reference structure and creating / changing the target structure
- Integrated creation of material master plant data with the tool ProMaterialData

### Technology

- Based on ProFramework from ProNovia
- Extensive development and configuration of cross-object, modular applications possible
- First-class user experience independent of UI technology

### User interface

- Graphical representation of differences (position data, component comparison, structural changes)
- Visualization of the installation locations of the items in the structures
- Conflict message with direct jump to the structure item
- Automatic selection of the position in the reference structure via selection in the target structure
- Configurable surfaces (depending on the integrated products)
  - Definition of user- and role-specific interfaces
  - Personalisable interfaces and data contents
  - Management of object selection and favourites
  - Simple and intuitive operation
- Maximum interaction possibilities
  - Double click
  - Dynamic context menus
  - Drag'n'Drop
  - Multiple selection of objects
- Graphical control elements
- Context-sensitive, dynamic display and hiding of information and functions

## Advantages

- Multi-level transfer of material or project BOMs
- Multi-level transfer of iPPE product structures to material BOMs including object dependencies
- Structure relationship management
- Splitting the structure into several structure relationships
- Development of structural relationships for existing structures
- Structure relationships for existing material or project BOMs
- Automatic transfer of structural changes
- Treatment of structural conflicts
- Maintenance of data fields for assemblies and items

## Properties

- Customising environment for extensive configuration

- Integration with other ProNovia products possible
- Business add-ins for implementing customer-specific functions and interfaces
- Delivered GUI language support in German, English and French
- Detailed documentation in German and English
- Authorization objects for integration into the SAP authorization concept

## Optional extensions

- For the automated creation, maintenance and validation of material master data
  - **ProMaterialData**
- For workflow-based testing and approval processes
  - **ProProcess**
- For integrated display of further SAP ERP objects
  - **ProPLMClient**

## PRIMARY FUNCTIONS

The handling of product structures is at the heart of ProStructure: From the system to the comparison and maintenance. The behaviour in case of structural differences, the validation rules and the user interface can be configured according to individual customer needs.

- Structure relationship management
- Processing multi-level material or project BOMs
- Change in the target structure
- Automatic transfer of the reference structure
- Structure comparisons

Do you want to transfer material or project BOMs on several levels, manage structure relationships or resolve structure conflicts? ProStructure is the ideal tool for this. This SAP solution allows the controlled creation of multi-level product structures, but also offers other functions, such as the comparison of two structures.

