

TECHNICAL SPECIFICATIONS

IFConneX for SAP

COUPLING MULTIPLE SAP SYSTEMS

The interface allows the connection of several SAP systems to one PTC Windchill system.

OPERATING SYSTEM

The PTC Windchill SAP interface is installed in the context of PTC Windchill®. The operating system is based on the specifications for PTC Windchill®.

TECHNICAL REQUIREMENTS

SAP® Interface technology

- Remote Function Call (RFC)
- PI-Technologie SAP NetWeaver 7.1 and higher

SAP® Server Version / Release

- SAP® Version 4.7 and higher
- SAP® ECC Version 6.0 and higher
- SAP S/4HANA

PTC Windchill®

- Version 11 and higher

For more information and screenshots, scan the QR code to our website:
www.innoface.de



ADD-ON SOFTWARE TO THE INTERFACE

IFConneX ReleaseEngine (IFRE)

- Automatic generation of visualization or exchange formats of PTC Creo® Parametric models and drawings in the background
- Control of the ReleaseEngine from PTC Windchill® or SAP®
- Creation of neutral formats (HPGL, TIFF, PDF, DXF, STEP, IGES) is configurable
- Support of multiple drawing sheets
- Stamping of PDF and TIF
- Application of a digital signature on PDF
- Automatic storage of generated neutral formats in SAP®.
- Bi-directional synchronization of the approval process in PTC Windchill® and SAP®.
- Automatic notification by e-mail

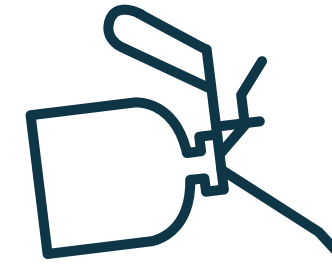
Number generator (IFRE-NG)

- Automatic assignment of part and document numbers
- Set-up multiple number generators
- Context-related number assignment

You can find additional ReleaseEngine modules in the pamphlets on the ReleaseEngine.

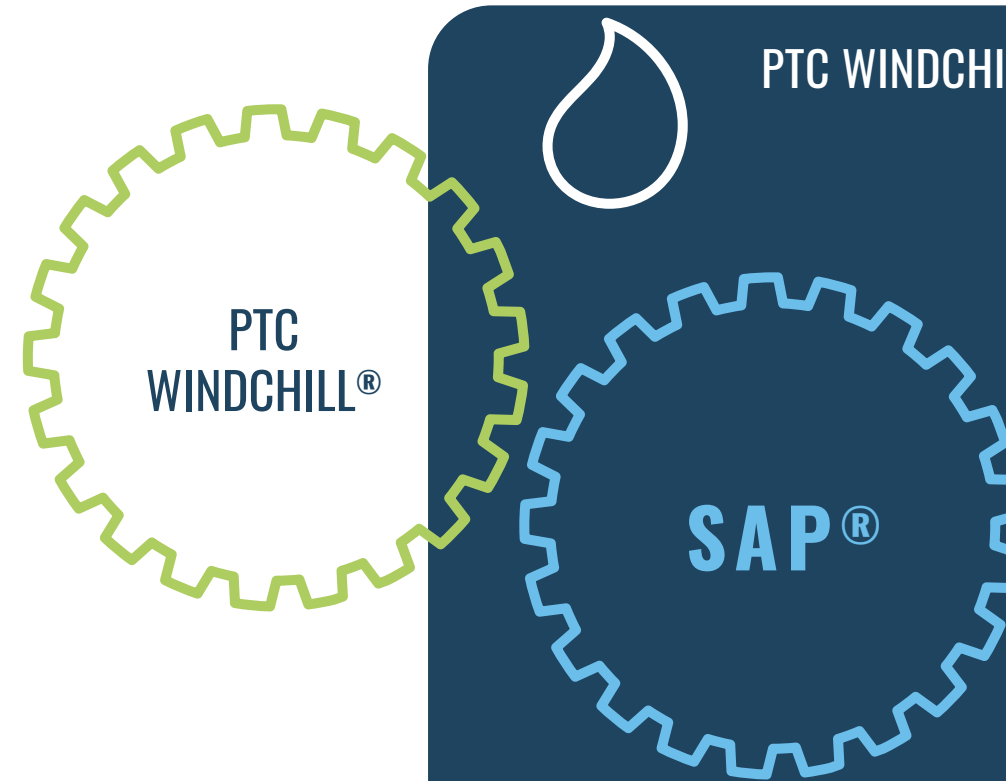


INNOFACE



IFConneX FOR SAP®

PTC WINDCHILL-SAP-INTERFACE



Perfected interfaces and exceptional know-how for smooth processes between development and production.

MAKING THINGS WORK



SAP® Certified
Integration with SAP S/4HANA®

Enterprise | Application | Integration

Innoface is one of the world's leading providers of interfaces for connecting PTC Windchill with ERP systems. Our solutions ensure a reliable data flow between design and logistics.

INNOVATING. PERSONAL. COMPETENT.
INNOFACE. A STRONG TEAM FOR YOUR PROJECT.

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Realising end-to-end processes with IFConneX for SAP

MAKING THINGS WORK



EFFICIENT DATA MANAGEMENT

WITH PTC WINDCHILL® AS A PDM SYSTEM AND SAP® AS ERP SYSTEM

- Efficiently edit and manage complex technical data in design and development with the help of a product data management (PDM) system
- PTC Windchill® from the manufacturer of the CAD system PTC Creo®, one of the best-in-class solutions with its diverse CAX interfaces.
- Unbeatable connection of PTC Creo® and other CAD systems
- SAP® is the market leader among ERP systems. For logistics and financial data that require a powerful ERP system.
- Both upper midsize companies and corporate groups use SAP® in all areas of their business. The comprehensive functions allow the cooperation of all departments in the company.

INTER-DEPARTMENT AND SYSTEM-WIDE SYNCHRONIC DATA THROUGH IFConneX

The IFConneX interface for SAP® ensures that the product data from engineering is automatically and reliably transferred to SAP® and updated in the event of changes.

It is easy to operate via menus in PTC Windchill®. Interface functions can also be event-driven or called from the PTC Windchill workflow. Relevant parts in PTC Windchill® are created as material masters in SAP® or linked to existing material masters. For SAP-relevant CAD documents, an SAP document is automatically created.

IFConneX FOR SAP®

CONNECTS PTC WINDCHILL® TO SAP®

MANUAL DATA MANAGEMENT HAS HAD ITS DAY

Product data is the capital of every company. Nevertheless, there are still companies that manage their data manually on isolated applications. You lose time due to multiple data entry in various places and coordination efforts between employees and departments. Identical parts may not be recognized, which can lead to purchasing disadvantages. Conclusive data can lead to purchasing errors and consequently to production downtimes.

That is why powerful and networked data management systems are indispensable for manufacturing companies.

BETWEEN TWO WORLDS

- Isolated operation of the two systems SAP® and PTC Windchill® is not sufficient to ensure a frictionless data flow for optimal process support in the company.
- Both systems must be closely interlinked.
- The product structure must be mapped in both systems in parallel and kept up to date.
- Changes must be maintained in both systems in a timely manner so that production and scheduling can be carried out reliably.
- The release and change process must be controlled across systems and locations.
- Departments such as purchasing, production and sales want to visualize approved CAD models and CAD drawings directly in SAP®.

SAP users can use this document to visualize models and drawings directly.

The parts structure can be automatically transferred to SAP® as a bill of materials. The SAP BOM can be automatically updated when changes are made to the structure in PTC Windchill®. Through the integration, a cross-system release and change process can be implemented. IFConneX for SAP® is configurable and allows flexible and cost-effective adaptation to customer-specific workflows.

STANDARD FUNCTIONS

SAP Document Management

- Create documents
- Change documents
- Set document status
- Create, read and delete object links
- Create new versions
- Read out status log
- Check-in/check-out of originals (KPRO or other SAP archives)
- Create a revision
- Classification
- Setting of authorizations (ACLs)
- Create or change bill of documents

SAP Material Master

- Create material master record
- Change material master record
- Maintain all views:
 - Basic data
 - Plant views
 - Standard views and fields
 - Classification
 - Object link
 - Basic data text
- Create a material revision
- Linking a PTC Windchill part to a material master

SAP Bill of Materials

- Create BOM in SAP
- Change BOM assign usage, alternative
- Create plant views
- Suppress non relevant items
- Variable size items
- Text positions
- Document positions
- Synchronization of position numbers

SAP Change Management

- Create a change master record
- Amend a change master record
- Change document, material master, bill of materials with reference to change master record
- Create or change object management records
- Release change master record

FUNCTIONS IFConneX for SAP

SUPPORTED OBJECTS

... in SAP

- Document info record
- Material master record
- Material parts list
- Change master record
- Document structure
- Equipment
- Functional location
- Routing
- Workplace

... in PTC Windchill

- Product
- Part (WTPart)
- Part structure (WTPart structure)
- CAD document
- Other documents
- Change request
- Change message
- Increase request
- Baseline

PTC Windchill Functionality

- Control options from PTC Windchill
 - SAP Workspace menu
 - Action menu in object detail page
 - SAP menu in other views possible
- ERP Connector
- Event driven actions from PTC Windchill
 - Attribute testing during check-in
 - Changing the life cycle
 - Create new revision
 - Configurable initialization of attributes in saving events
 - Checking number or file name from rename event
 - Create/Release of change notification
- Features in the PTC Windchill Workspace
 - Read system attributes
 - Read and write user-defined attributes
- Integration of Change Management
 - Create change notice in Windchill for change master in SAP
- Additional functions in PTC Windchill
 - Automatic renaming according to company rules
 - Cancellation of an event; e.g. check-in
 - Feedback via the event manager

USER-DEFINED ADD-ON FUNCTIONS

Additional user-defined BAPIs or function modules can be included on request.