TECHNICAL SPECIFICATIONS
CoreFace

INNOFACE

CONNECTING MULTIPLE SYSTEMS
CoreFace allows the connection of several ERP systems to one or more PTC Windchill systems (on prem or cloud).

TECHNICAL REQUIREMENTS FOR WINDCHILL
PTC Windchill® 12.1.2.0 + Windchill 2.6 REST Services or higher.

AVAILABLE ERP CONNECTORS
- SAP R/3
- S/4HANA On Premises
- S/4HANA Public Cloud
- Microsoft Dynamics 365 FO

Is your ERP system not on this list? Get in touch with us!

INNOFACE

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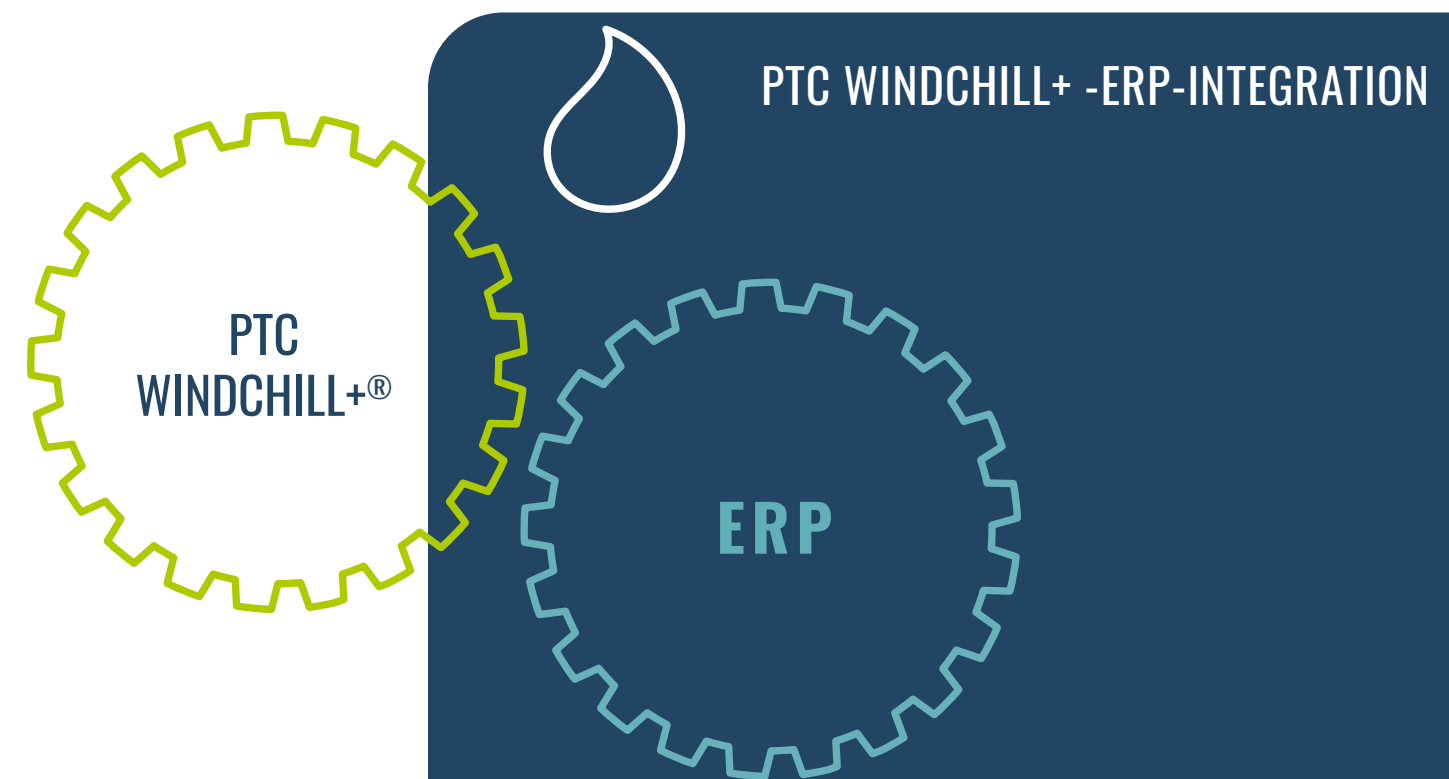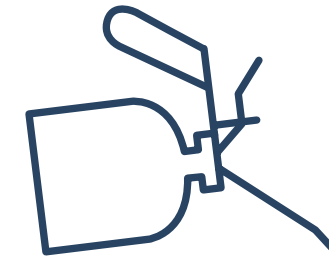sales@innoface.de

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ptc

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.**

For more information, scan the QR code to our website:
www.innoface.com

COREFACE

PTC WINDCHILL+ -ERP-INTEGRATION

PTC WINDCHILL+®

ERP

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

MAKING THINGS WORK

SaaS   **Multisystem (n:n)**   **Modelable**   **Configurable actions**

Windchill+ comliant   **No code**   **Cloud to cloud**   **Cloud to on prem**

Scalable   **High availability**   **Upgrade stable**

COREFACE IS...

- a cloud-based SaaS Integration Suite
- tenant based (for example development, quality and production system)
- no code standard modeling and configuration capabilities
- connects Windchill or Windchill+ SaaS PLM to ERP systems
- a connector that uses RESTful APIs, OData and other WEB services
- scalable, it can be used for five or thousands of users

CoreFace

CONNECTS PTC WINDCHILL+ ® SaaS PLM TO YOUR ERP SYSTEM(S).

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.

They lose time due to multiple data entries in various places and coordination efforts between employees and departments.

Identical parts may not be recognized, which can lead to purchasing disadvantages.

Inconsistent data can lead to purchasing errors and consequently to production losses.

That is why powerful and connected data nabagement systems are indispensable for manufacturing companies.

BETWEEN TWO WORLDS

- Isolated operation of the two systems ERP and PTC Windchill® is not sufficient to ensure a frictionless data flow for optimal process support in the company
- Both systems must be closely connected
- 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 sites
- Departments such as purchasing, production and sales need access to the correct released version of CAD models and CAD drawings directly in the ERP system.

MAIN COMPONENTS

- System mapping (n:n)
- Trigger configuration
- Object mapping
- Command modeler
- Validation and control rules
- Field mapping

PTC WINDCHILL TRIGGERS

- ERP connector triggered from
    - Change notice
    - Promotion request

PTC WINDCHILL FUNCTIONS
Use of all available standard REST APIs like:

- Create WTPart
- Update WTPart attributes
- Renumber WTParts or documents
- Create change notice
- Set lifecycle status
- ...

SUPPORTED OBJECTS

... in ERP

- Article master record
- Bill of Materials
- Engineering change order
- Document master if applicable
- Process plan

... in PTC Windchill

- Product
- Part (WTPart)
- Part structure (WTPart structure)
- CAD document (EPMDocument)
- Other documents
- Change request
- Change notice
- Promotion Request
- Baseline

INTER-DEPARTMENT AND SYSTEM-WIDE SYNCHRONIC DATA THROUGH COREFACE

The cloud-based SaaS integration suite CoreFace enables seamless cross-system mapping of engineering processes in PTC Windchill® or Windchill+® and ERP systems.

Relevant parts in PTC Windchill® are created as article masters in your ERP or linked to existing article masters. To enable ERP users to visualize the CAD data, a link to the visualization data generated in PTC Windchill® for CAD models and CAD drawings can be provided for the ERP article.

The parts structure can be transferred to the ERP

automatically as a bill of materials (EBOM/MBOM). If the CAD structure and therefore the parts structure in PTC Windchill® change, the interface ensures an update of the BOM in the ERP system.

This integration enables a system-wide release and change process to be implemented.

CoreFace provides no code standard modeling and configuration capabilities and uses RESTful APIs, ODATA and other WEB services. CoreFace is highly scalable through cloud technologies and can be used for five or thousands of users.

windchill+
Windchill+ SaaS-PLM

WEB Services / REST / OData

INNOFACE
CORE FACE

WEB Services / REST / OData

Dynamics 365
Microsoft D365 FO

SAP S/4 HANA
SAP S/4 HANA Public Cloud

WEB Services / VPN

WEB Services / VPN

windchill
Windchill On Prem

SAP ORACLE
SAP R3 | S/4 Hana, Oracle,...