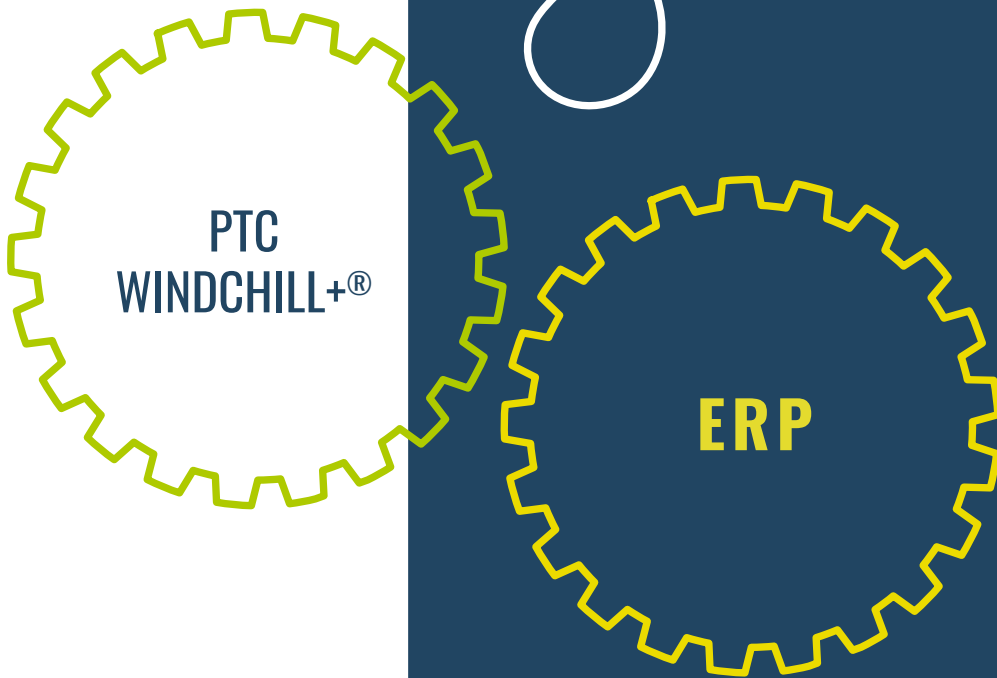


ReleaseEngine



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

MAKING THINGS WORK

Realising end-to-end processes with the ReleaseEngine

MAKING THINGS WORK

ReleaseEngine

Automates the generation of neutral formats for the ERP system.

AUTOMATE THE RELEASE AND CREATION OF NEUTRAL FORMATS WITH IFCONNEX RELEASE ENGINE AND SYNCHRONIZE THE DOCUMENT VERSIONS WITH THE ARTICLE MASTER

The ReleaseEngine complements the PTC Windchill - ERP interface IFConneX and ensures that neutral formats of released CAD drawings and CAD models are updated in the document repository of the ERP system and match the released version.

This enables the ERP user to reliably access the correct versions of the released design documents.

If required, exchange formats (such as IGES,DXF,STEP) can be made available fully automatically to the ERP user either on request or in advance.

If the status of an item changes so that, for example, it is no longer valid, ReleaseEngine can be used to set the life cycle of the corresponding CAD model and related part in PTC Windchill® in such a way that the designer recognizes this at an early stage.

Valuable design engineer time is saved. In addition, the ReleaseEngine has a number generator, which can be used system-independently for the assignment of article or document numbers.

SAVE VALUABLE ENGINEERS' TIME AND ENSURE COMPANY-WIDE ACCESS TO DESIGN DOCUMENTS

- Save manual effort by automating the output process after approval.
- Free your designers from drawing output so that they can devote themselves to their actual task, product development.
- Avoid sources of error as a result of manual intervention.
- Automate the release process across systems between Windchill and ERP.

Reasons to start using our ReleaseEngine

- Your ERP system is lacking access to released CAD drawings and CAD model data.
- Neutral formats required by others have to be requested during design.
- Manual data maintenance and transfer cost you time and lead to errors.
- The released CAD drawing have to be opened again manually to map the releaser and the release date.
- The linking of released neutral formats with the corresponding documents in SAP® does not take place automatically, but must be created manually.
- Changes to SAP data need to be manually reconciled to the linked PTC Windchill data.
- You strive for reliable and unambiguous access to approved design documents across departments!

Technical Specifications

ReleaseEngine

Standard Functions

OPERATING PRINCIPLE

When the ReleaseEngine is called, a job is created which executes the following steps:

- Check-out of the affected CAD models and CAD drawings into a temporary workspace
- Updating of parameters in the drawing header, if required
- Creation of the desired neutral formats
- Storage of the neutral formats:
 - on a network drive
 - or on a document archive
 - for SAP®: Check-in into the document repository (KPRO) of SAP® for PTC Windchill®: Upload as „secondary content“ of the CAD document in PTC Windchill®

TRANSFERRING CHANGES FROM ERP OBJECTS TO PTC WINDCHILL®

- IFConneX ReleaseEngine can be used to reconcile changes to fields or the status of ERP objects such as the article master and document in PTC Windchill®.
- When the status changes or a change is saved in the ERP system, a job is generated in IFConneX ReleaseEngine.
- The corresponding object in PTC Windchill® is searched for and changed accordingly.

MODULES

- Cockpit
 - Web application with WEB UI
 - Job control
 - Job monitoring
 - Email dispatch
 - Administration of channels and services
 - User administration
 - Configuration
- Basic module
 - Processing channel for job execution
 - Scalability through parallel processing channels
 - Prioritization
 - Load balancing

- Article master record
- Module number generator (IFRE_NG):
 - Access from PTC Windchill® or PTC Creo® Parametric™
 - Access from other applications
 - Set-up of multiple number ranges
 - Automatic selection of the number range, contextual or controlled by other parameters
 - Adjustable increment- Parallel access by multiple users
 - Sequential processing of requests, thus unambiguous number assignment
 - Traceability through log files
- SAP Module (IFRE_SAP):
 - Access to SAP®
 - Document functions
 - Material master functions
 - Search functions
- ERP Information Service Module (IFRE_SIS):
Job creation triggered by ERP events such as:
 - Status change document
 - Status change article
 - Save document
 - Save article master
- PTC Windchill® PDMLink Module (IFRE_PDMS):
 - Automatic access to PTC Windchill® PDMLink® with the following functions
 - Object search
 - Check out as saved
 - Check out last iteration
 - Increase life cycle
 - Decrease life cycle
 - Create WTPart
 - Create change message
 - Create WTPart structure
- PTC Creo® Parametric™ 2D Module (IFRE_2D):
 - Opening drawings in PTC Creo® Parametric™.
 - Reading or writing the parameters
 - Converting the drawings to TIFF, PDF, HPGL
 - Stamping of PDF formats
 - Stamping of TIFF formats
- PTC Creo® Parametric™ 3D Module (IFRE_3D):
 - Open CAD models in PTC Creo® Parametric™.
 - Convert to formats such as STL, 3D PDF, JT and EDZ
- Export Module (IFRE_EXP):
 - Convert to 2D exchange formats such as DXF, IGES, DWG
 - Convert to 3D exchange formats like IGES, STEP
- JT Module (IFRE_JT):
Converting Creo models to JT format (depending on the required quality, an additional converter may be required)

TECHNICAL SPECIFICATIONS

ReleaseEngine

Requirements

- PTC Windchill® Version 11.1 M020 or higher
- PTC Creo® Parametric™ Version 4.0 or higher
- Windows according to PTC requirements for PTC Creo® Parametric™

Hardware requirements

In case Creo Parametric is needed, the hardware must meet the requirements of a PTC Creo® Parametric workstation that can also open and convert large CAD drawings and CAD models in a reasonable amount of time.

Technical Requirements

If necessary, additional job channels of the ReleaseEngine can be operated for acceleration. The jobs are distributed according to adjustable criteria. In the case of multiple sites, it may be necessary to provide one ReleaseEngine per site due to limited bandwidth.



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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

