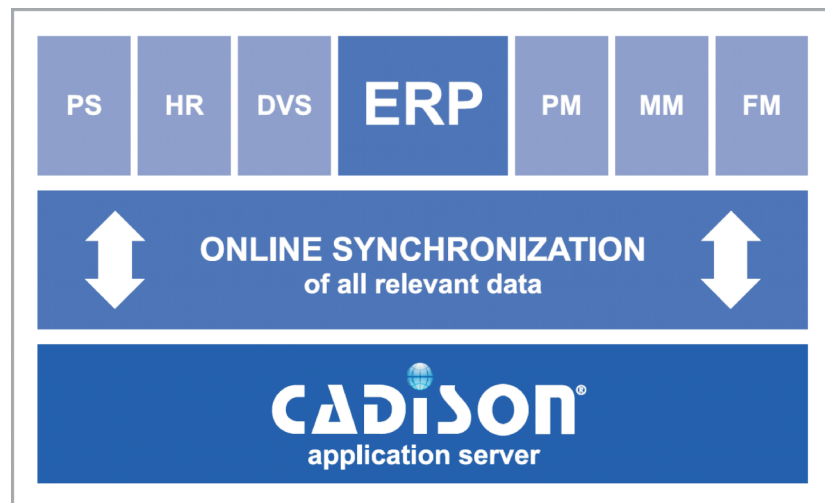# CADIS⬡N® ERP-Interface

CADISON® ERP-Interface

Digital Process Chain to the ERP World

The bidirectional CADISON® ERP-Interface allows you to consistently continue the digital engineering process chain into the commercial process chain so that your company-specific standards can be displayed individually.

| PS | HR | DVS | **ERP** | PM | MM | FM |

ONLINE SYNCHRONIZATION
of all relevant data

CADISON®
application server

CADISON® provides you with access to the known ERP systems (Enterprise-Resource-Planning) like SAP, Movex, Infor and others for dynamic data exchange via an open ERPInterface. Implementation of ERP connection is in each case customer-specific. CADISON® is considered here as engineering and product data management desktop. The ERP-Interface establishes the relation to the ERP domains of procurement and maintenance and to the master data.

All activities that are today in the project engineer's competence and in the lifecycle of a plant will be supported by CADISON®. Integration with ERP system ensures 100 % data consistency so that double input and later care

of identical information are avoided. Thus the ERP-Workflow and the CADISON® Engineering-Workflow are amalgamating to one common workflow in one integrated system.
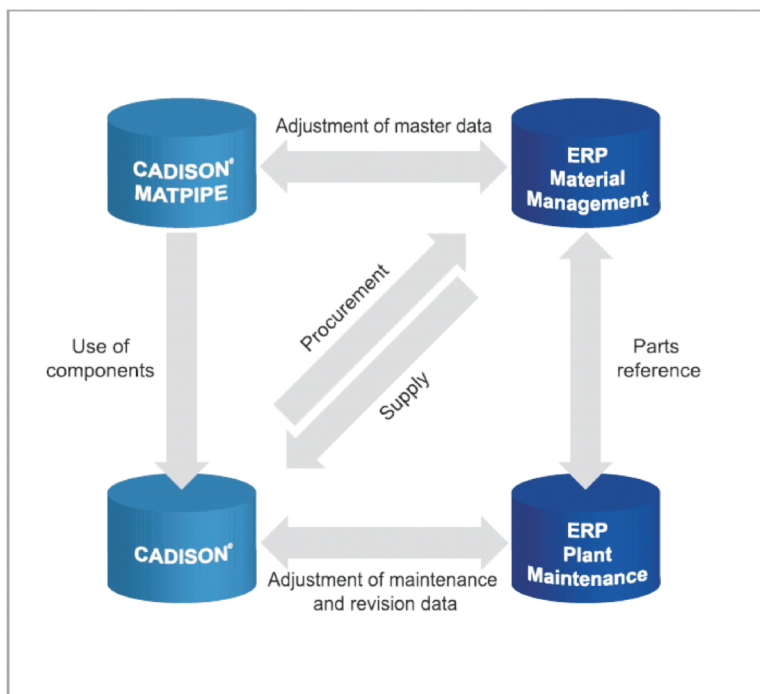
Bi-directional Workflow
The CADISON® ERP-Interface establishes the connection between the CADISON® objects and the corresponding ERP objects so that transfer and/or synchronization between ERP system and engineering system is possible. It is freely configurable which of the systems shall be the leading one under the aspect of respective data and the applicable process. The CADISON® user needs not care for such details like modified or deleted CADISON® objects. The adjustable automated updating features make it possible to update the data "overnight".

Examples of Functionality
A few functionalities should be demonstrated using the example of connection between CADISON® and Material Management (MM) of SAP:

- In CADISON® the desired parts required for release of a procurement or manufacturing order will be determined,selected and sorted according to optional criteria
- Data will be checked for consistency (catalogue of criteria) with the data existing in the ERP system
- Feedback of ERP systems to CADISON® with respect to those parts that are still to be reworked in CADISON®
- Plausibility check of parts that are directly requested through CADISON®
- Logging of information about procurement requirements of the ERP system in CADISON®
- Components not listed in the ERP master data can be automatically created as project-specific materials
- Adjustment of project-relevant information between ERP system and CADISON®

Business Benefits

- Continuous process chain CAE↔ERP and consequently no media break
- Presentation of processes and standards in the workflow with free definition of the "leading system"
- Digital and automated data exchange – Error avoidance and cost reduction
- Optimized data flow in case of plant maintenance
- Acceleration and automation of procurement process

Key Features (one example for procurement management):

- Clear assignment of orders: Normal and third-party orders, inventory
- Processing of materials with and without material number
- Automatic generation of order texts (long text) and short material texts
- Setting of erasure markers in the material master file for materials no longer needed
- Data adjustment between the master data administration of ERP system and CADISON® system
- Output as single or collective item

it|**factory** and
solution provider