

CIDEON

engineering digitized.

Cideon – engineering digitized.

Cideon Release Migrator

Reliable CAD Data Across All Releases

When Autodesk Inventor or SOLIDWORKS files are opened in a newer CAD system release, the data must first be converted internally – often resulting in significant manual effort and system downtime. Especially in large CAD assemblies, complex dependencies between components, drawings, and standard parts must be resolved, leading to time-consuming imports and re-imports.

The result: valuable engineering time is lost before productive work can even begin.

The Cideon Release Migrator automatically and reliably converts legacy CAD data to the latest CAD release version. All components, assemblies, standard parts, and drawings stored in the system are fully recalculated and validated.

The result: maximum data security, consistently high data quality, and immediate access to the latest CAD functionalities.

Your advantage: always work with up-to-date CAD data at a uniform release level – while reducing engineering effort and saving substantial time and costs.



Highlights

- Improved cross-department collaboration through consistent CAD data
- Significantly reduced processing times through parallel conversion
- Shorter development cycles and faster project completion
- Fully automated process – no manual intervention required
- Efficient mass processing of large and complex data sets
- Greater transparency across data and processes
- High data security and consistently reliable data quality

The Autodesk Inventor and SOLIDWORKS Migrators are included as standard in the Cideon Release Migrator.



AUTODESK
Inventor



PROCESS CONSULTING

ENGINEERING SOFTWARE

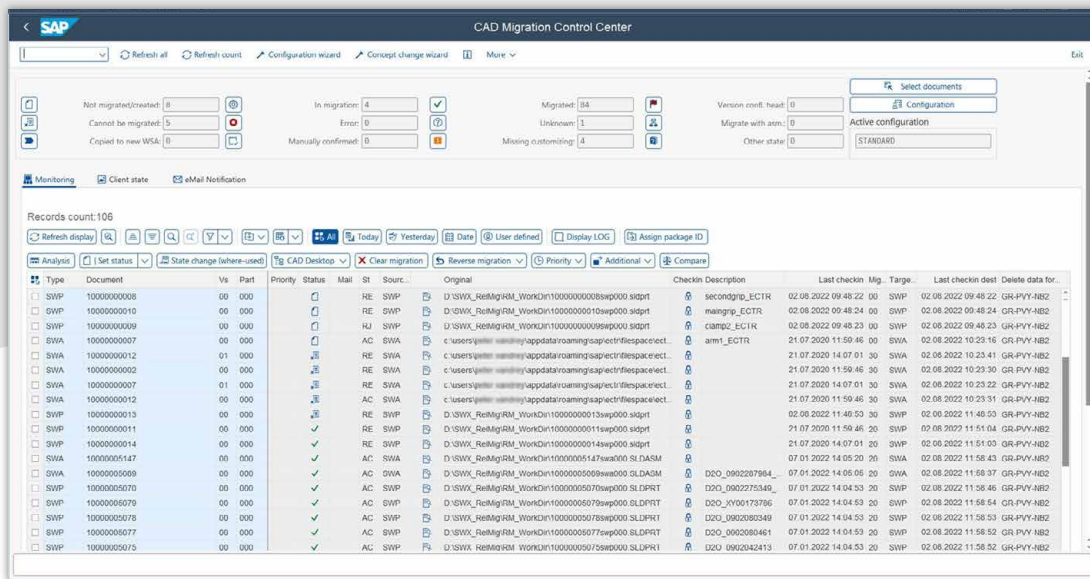
IMPLEMENTATION

GLOBAL SUPPORT

FRIEDHELM LOH GROUP



Application in SAP



The Migration Control Center (MCC) is the central control unit for CAD migration in SAP, providing data selection, end-to-end process monitoring, and structured error analysis.

Components in SAP

The Cideon Release Migrator for SAP consists of two central components:

Migration Engine Client (MEC)

Handles communication between SAP and the CAD migrators (Autodesk Inventor/SOLIDWORKS)

SAP Migration Control Center (MCC)

Central control unit for data analysis, selection, execution, and monitoring of the migration process

Efficient Bundling of Work Packages

The Migration Control Center (MCC) systematically scans the complete legacy CAD data set and performs a structured analysis based on defined technical and organizational criteria.

Relevant data is automatically grouped into prioritized work packages and prepared for productive CAD migration.

Within each work package, the system consistently considers:

- assemblies and individual parts
- existing dependencies
- predefined loading and conflict rules

This approach ensures a controlled, efficient, and scalable migration process, even for large and highly complex CAD environments.

Key Functions* (Excerpt)

- Configuration and administration via MCC in SAP
- Data analysis prior to migration (reports, simulations)
- Flexible selection criteria for migration
- Load distribution across multiple workstations
- Location-dependent migration
- Automatic restarts in case of malfunctions
- Delta migration
- Backup variants and authorization concepts

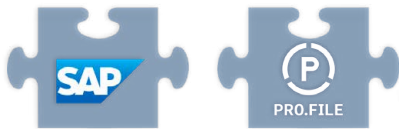
*) Project-specific extensions and customizations are available.



Modular Design for SAP and PRO.FILE

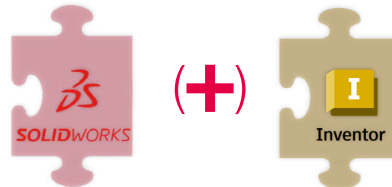
Modular structure of Cideon CAD Release Migrator

Cideon base modules



Migration of CAD data managed in the system and monitoring of the migration process with comprehensive monitoring functions

Cideon CAD migrators



Connection to the respective CAD system.
Several CAD systems can be used in combination with a Cideon base module.

Cideon Release Migrator for PRO.FILE

With the Cideon Release Migrator, CAD release upgrades for Autodesk Inventor and SOLIDWORKS data stored in PRO.FILE are performed fully automatically.

The complete process:

- check-out
- migration
- check-in

runs entirely in the background without interrupting ongoing operations.

The configuration is highly flexible, allowing the use of file type filters and defined time windows (such as nightly execution), the consideration of locked files, and migration across multiple replicated locations (ETOR).

Result: up-to-date CAD data, minimal effort, maximum security.



Optional Extension: Cideon Script Migrator

In addition to the standard CAD migrators for Autodesk Inventor and SOLIDWORKS, Cideon offers the Cideon Script Migrator as a flexible extension for SAP-based migration scenarios.

With the Cideon Script Migrator, document files from:

- other CAD systems
- Office applications
- additional engineering tools

can be migrated into structured work packages and seamlessly integrated into the migration process of the Cideon Release Migrator – including existing document structures.



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