



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.



We offer the Cideon Release Migrator base modules for SAP and PRO.FILE, enabling seamless integration into your existing PLM and ERP landscape.



Application in SAP

Type	Document	Vs	Part	Priority	Status	Mail	St	Sours..	Original	Checkin Description	Last checkin	Mig.	Target	Last checkin dest	Delete data for...
SWP	10000000008	00	000		RE	SWP		D:\SWX\ReMigr\RM\WorkDir\1000000000008\swp000.sldprt		secondgrind_ECTR	02.08.2022 09:48:22	00	SWP	02.08.2022 09:48:22	GR-PVY-NB2
SWP	10000000010	00	000		RE	SWP		D:\SWW\ReMigr\RM\WorkDir\1000000000010\swp000.sldprt		maingrid_ECTR	02.08.2022 09:48:24	00	SWP	02.08.2022 09:48:24	GR-PVY-NB2
SWP	10000000099	00	000		RE	SWP		D:\SWW\ReMigr\RM\WorkDir\1000000000099\swp000.sldprt		camp2_ECTR	02.08.2022 09:48:23	00	SWP	02.08.2022 09:48:23	GR-PVY-NB2
SWA	10000000007	00	000		AC	SWA		c:\users\julian\appdata\roaming\cad\ctr\repspace\ect...		arm1_ECTR	21.07.2020 11:59:46	00	SWA	02.08.2022 10:23:16	GR-PVY-NB2
SWA	10000000012	01	000		RE	SWA		c:\users\julian\appdata\roaming\cad\ctr\repspace\ect...		21.07.2020 14:07:01	30	SWA	02.08.2022 10:23:41	GR-PVY-NB2	
SWA	10000000002	00	000		RE	SWA		c:\users\julian\appdata\roaming\cad\ctr\repspace\ect...		21.07.2020 11:59:46	30	SWA	02.08.2022 10:23:30	GR-PVY-NB2	
SWA	10000000007	01	000		RE	SWA		c:\users\julian\appdata\roaming\cad\ctr\repspace\ect...		21.07.2020 14:07:01	30	SWA	02.08.2022 10:23:22	GR-PVY-NB2	
SWA	10000000012	00	000		AC	SWA		c:\users\julian\appdata\roaming\cad\ctr\repspace\ect...		21.07.2020 11:59:46	30	SWA	02.08.2022 10:23:31	GR-PVY-NB2	
SWP	10000000013	00	000		RE	SWP		D:\SWW\ReMigr\RM\WorkDir\10000000013\swp000.sldprt		02.08.2022 11:46:30	00	SWP	02.08.2022 11:46:30	GR-PVY-NB2	
SWP	10000000011	00	000	✓	RE	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000011\swp000.sldprt		21.07.2020 11:59:46	20	SWP	02.08.2022 11:51:04	GR-PVY-NB2	
SWP	10000000014	00	000	✓	RE	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000014\swp000.sldprt		21.07.2020 14:07:01	20	SWP	02.08.2022 11:51:03	GR-PVY-NB2	
SWA	10000000017	00	000	✓	AC	SWA		D:\SWW\ReMigr\RM\WorkDir\100000000017\swa000.SLDASM		07.01.2022 14:05:20	20	SWA	02.08.2022 11:58:43	GR-PVY-NB2	
SWP	10000000009	00	000	✓	AC	DWA		D:\SWW\ReMigr\RM\WorkDir\10000000009\swp000.SLDASM		07.01.2022 14:05:20	20	SWA	02.08.2022 11:58:43	GR-PVY-NB2	
SWP	10000000070	00	000	✓	AC	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000070\swp000.SLDRT		07.01.2022 14:04:53	20	SWP	02.08.2022 11:58:44	GR-PVY-NB2	
SWP	10000000079	00	000	✓	AC	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000079\swp000.SLDRT		07.01.2022 14:04:53	20	SWP	02.08.2022 11:58:44	GR-PVY-NB2	
SWP	10000000078	00	000	✓	AC	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000078\swp000.SLDRT		07.01.2022 14:04:53	20	SWP	02.08.2022 11:58:53	GR-PVY-NB2	
SWP	10000000077	00	000	✓	AC	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000077\swp000.SLDRT		07.01.2022 14:04:53	20	SWP	02.08.2022 11:58:52	GR-PVY-NB2	
SWP	10000000075	00	000	✓	AC	SWP		D:\SWW\ReMigr\RM\WorkDir\100000000075\swp000.SLDRT		07.01.2022 14:04:53	20	SWP	02.08.2022 11:58:52	GR-PVY-NB2	

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

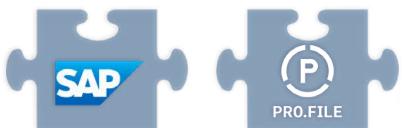
*) Project-specific extensions and customizations are available.



Modular Design for SAP and PRO.FILE

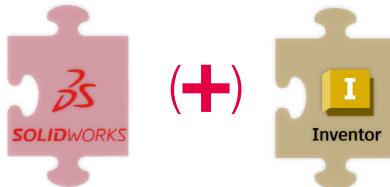
Modular structure of Cideon CAD Release Migrator

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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