

# CIDEON

take the value perspective.

## CIDEON and Flottweg: In the top 3 with ECTR

**Going from a PDM process to a fully-integrated PLM process was at the top of Flottweg's agenda, which also included converting the 3D CAD system. To integrate engineering data with the SAP system, the SAP Engineering Control Center (ECTR) was implemented in collaboration with CIDEON as the process consultant and software developer. ECTR also served as a basis for integrating engineering processes with upstream and downstream logistics processes while ensuring Flottweg's entire IT system landscape underwent consolidation and harmonization.**

### From PDM to PLM

Flottweg stands by its "Engineered For Your Success" motto and has 60 years of experience of separation technology and top product quality, Made in Germany. The medium-sized company's success is based on expertise, responsibility and respect. Such a corporate approach ensures Flottweg's all-round process and application know-how as well as solutions tailored to customer needs, aspects that equally apply to CIDEON. Since the launch of an innovative product data management (PDM) system, Flottweg had been able to significantly reduce the time required to manage its engineering data. This took place



### Flottweg SE

The Flottweg Group, headquartered in Vilsbiburg, Lower Bavaria, are leading specialists in separation technology. The medium-sized, family-run company is globally regarded as a top-quality centrifuge manufacturer for mechanical separation technology. The decanters, separators and belt presses used for this purpose are all made in Germany. All Flottweg products enable highly efficient manufacturing as well as top quality end products. Well-known companies, corporations and institutions all over the world are using Flottweg's separation technology. With 1,100 staff worldwide, including around 900 at its headquarters in Vilsbiburg, the mechanical engineering company is one of the most popular employers in Germany's greater Landshut region. For more information, visit [www.flottweg.com](http://www.flottweg.com).

via the PDM system function for processing all engineering information, data and procedures – everything centrally in one place. As part of its digital transformation towards a connected value creation and production process, Flottweg, together with its process consultant CIDEON, then opted to take the next logical step without compromising the already achieved level in digital engineering. The aim was to standardize the tried-and-tested PDM process, including the CAD system, and to develop it into a fully integrated product lifecycle management (PLM) process.



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# Increasing efficiency in project management

## Fully integrated SAP PLM process

“Process efficiency requires process integration,” explains Stefan Winzer, process consultant at CIDEON, adding: “Implementing SAP ECTR improves how departments and processes work together.” However, this often requires the IT system landscape to undergo consolidation and harmonization. A good way to achieve this at Flottweg was therefore standardizing different CAD and PDM systems and implementing the SAP Engineering Control Center (ECTR). What makes ECTR so special? “ECTR enables all cloud or ‘on premise’ engineering data to be integrated into SAP PLM, quickly and securely linking it to an organization’s business data. Engineering processes are also optimally supported, and any downstream processes can also be directly integrated into SAP,” explains the process consultant from CIDEON.

## SAP ECTR integration

In addition to secure data transfer via ECTR, i.e., between CAD and SAP, other significant benefits are also improving Flottweg’s data management, e.g., in change management, plant design and planning, as well as in production, IT and



Energy-saving, maintenance-optimized and powerful FDS 2000 nozzle separator for continuous separation of solids and liquids.



### CIDEON SAP PLM tools: Benefits for Flottweg

- **Proof of concept (approx. 6 months)**
  - SAP ECTR/SAP PLM
  - SAP ECTR integration for SOLIDWORKS
- **Implementation phase (approx. 1 year)**
  - SAP ECTR integration for SOLIDWORKS
  - CIDEON Conversion Engine
  - CIDEON Document Function Manager
  - CIDEON Naming Catalog
  - Classification
- **Optimization phase (approx. 1.5 years)**
  - Data import SOLIDWORKS and Inventor to SAP – CIDEON Import PDM
  - ECTR for Autodesk Plant 3D
  - CIDEON Material Master Management Framework

product documentation. The system provides significant efficiency gains in managing plant design and planning projects by eliminating duplicate data effort. By replacing the PDM system and using SAP ECTR, improvements can also be made to the entire product development process across all departments.

Moreover, ECTR eliminates the need for specific interfaces to SAP because the data is retrieved directly from the SAP system. Data here is then always up-to-date. System administration effort is also noticeably reduced, while data consistency is increased. ECTR at Flottweg now provides an integrated overview of BOMs, drawings and material data. This simplifies documentation preparation for the machine or system in question.



CIDEON and Flottweg

## Agile implementation of iterative project phases

### Project implementation including CIDEON SAP PLM tools

The project was fully implemented by Flottweg in collaboration with CIDEON. It commenced with a 6-month proof of concept in 2019. This was followed by implementation and optimization phases. The focus was on SAP ECTR integration for SOLIDWORKS and the import of SOLIDWORKS and Inventor data into SAP. "Iterative phases of the main project existed, each of which underwent agile implementation. Milestones included establishing a fully integrated PLM-ERP system, migrating inventory data from PDM systems to SAP PLM, and optimizing the overall process – all remotely performed due to COVID-19," says the CIDEON process consultant. Flottweg reaffirms the project's success: "From our point of view, all project goals were achieved, and project planning was good and realistic. The excellent teamwork between Flottweg and CIDEON was particularly special on all levels," says Thomas Dax-Schneider from Flottweg's IT-SAP Consulting PLM team. He said this included the highly successful transfer to operational SAP PLM via CIDEON software maintenance, customer care and annual consulting budget. "The next updates and minor optimizations are being planned," concludes Flottweg expert Thomas Dax-Schneider.

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Thomas Dax-Schneider, Team IT-SAP Consulting PLM



#### About CIDEON

CIDEON advises and supports you in implementing innovation and optimizing engineering processes to raise performance, customer benefits and business value. CIDEON is an Autodesk Platinum Partner in the German speaking region, partner to PROCAD, a Platinum Build Partner to SAP SE and software partner to Dassault Systèmes. CIDEON is part of the Friedhelm Loh Group and employs around 300 staff at 14 locations in the DACH region.

Further information is available under [cideon.com](https://cideon.com) and [friedhelm-loh-group.com](https://friedhelm-loh-group.com)

#### CIDEON Software & Services GmbH & Co. KG

Lochhamer Schlag 11 · D-82166 Gräfelfing  
Telefon +49 (0) 89 909003-0 · Fax +49 (0) 89 909003-250  
info@cideon.com · www.cideon.com

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ENGINEERING SOFTWARE

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