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take the value perspective.

## **RAMPF and CIDEON: New interface for better performance**

**RAMPF Production Systems GmbH & Co.KG has easily integrated its EPLAN product data into SAP PLM using the SAP Engineering Control Center (ECTR) interface to EPLAN Electric P8.**

### **Task: Datafication and automation**

Linear business models are a thing of the past. Networked business models are the future and require high-quality master data. Companies failing to realize this in the digital transformation era will soon run into difficulties, making automation more difficult or even preventing it.

RAMPF Production Systems GmbH & Co.KG were quick to recognize this and established a practicable innovation strategy with a process excellence approach. This involved detailed analysis around document management, data traceability and change numbers, as well as BOM management and BOM information. Transferring and processing BOMs from the ECAD system was particularly time-consuming and error-prone, as much of it was being done manually.

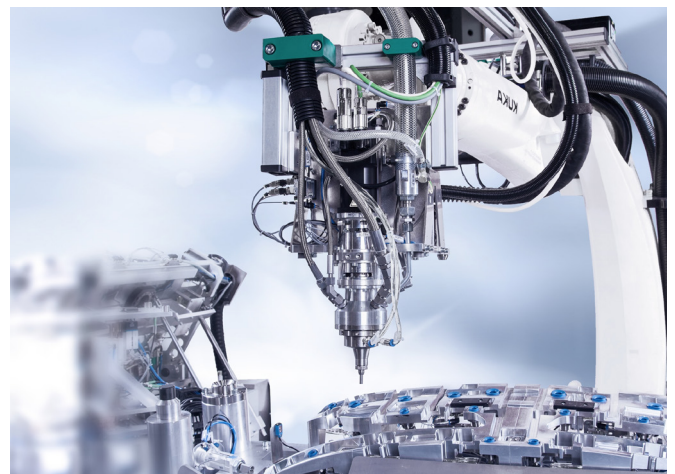


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**RAMPF Production Systems GmbH & Co. KG**  
RAMPF Production Systems GmbH & Co. KG is part of the RAMPF Group. It stands for engineering and chemical solutions and caters to the economic and ecological needs of industry. The Group's six core areas of expertise focus on products and solutions related to reactive resins, machine systems and lightweight construction using composites. RAMPF thinks globally and acts locally: the Group has its own production facilities at strategically important locations in Germany, the USA, Canada, China, Japan and Korea.



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## More efficiency using fewer resources


### Approach: Linking electrical engineering

An effective option was provided by the software-based ECTR interface between SAP and EPLAN, developed by CIDEON and marketed via SAP. To achieve maximum benefit for customers, consultancy and implementation are always carried out by CIDEON on an individual customer basis. Consultancy always involves listening to customers to enable interface functions to be optimally matched to customer requirements. At Rampf, electrical engineering was linked to the SAP ECTR to enable project and BOM management. Interface functionality was also expanded to implement specific customer requirements for BOM extraction as well as for material creation.



### CIDEON service: All-round support

The SAP ECTR interface to EPLAN Electric P8 provides redundancy-free ECAD and PLM/ERP integration into SAP. By taking this technological approach, RAMPF has succeeded in easily linking the relevant engineering and development disciplines. The company now also has an easy-to-use UI and a technical link between the engineering and business worlds. After implementing the interface's basic functions



#### Benefits for RAMPF

- **Datafication and automation** by setting new and open technology standards for process excellence
- **Elimination of error sources** through company-wide, one-off data storage and automated processes in data management
- **Additional functions in the interface** for BOM extraction and material creation
- **Audit-compliant working** through the automated attachment of revisions. This avoids incorrect drawings being used
- **Speed in BOM extraction**, fewer personnel resources and streamlined processes
- **Quick to learn** due to intuitive operation
- **Support** and training by CIDEON

*It must be said: CIDEON  
is a true partner. ”*  
Björn Niebann, Team Lead Electrical Design

in RAMPF's system, key users were briefed according to the "train the trainer" approach. A test phase then followed, enabling all key users to try out the new system and gain initial experience. CIDEON acted as an enabler here and personally supported RAMPF's participants on site and later remotely. The test phase was followed by an optimization phase where requirements that arose during the project phase were identified and implemented.



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### Customer benefits: Speed in BOM extraction

The technological change has established a new process that demonstrably saves time and has led to a noticeable reduction in errors. The time saved extracting BOMs at RAMPF is considerable – this has been a major benefit, especially in times of scarce resources and acute shortages of materials. Urgent components can now be ordered ahead of time. The streamlined process also requires fewer personnel resources. All this leads to increased cost efficiency and operational excellence. RAMPF's design engineers work with ECTR via an interface that is user-friendly and clearly laid out, with information depicted in a Win®Explorer-like manner. In EPLAN itself, SAP functions are directly integrated via an EPLAN menu.

This has given users more time for more value-creating tasks. Having to switch to the SAP interface is now rare. At RAMPF, projects, article information and parts lists are now automatically and securely transferred to SAP and processed there. A comment from Björn Niebann, Team Lead Electrical Design at RAMPF Production Systems GmbH & Co. KG: "CIDEON scrutinizes process landscapes and always sees things from the customer's point of view. Discussions are productive, full of ideas and always forward-looking. This also helps management in their decision making. It must be said: CIDEON is a true partner."

### Scalability as an extra option

Projects have become more efficient due to optimized and secure data management, as well as the simultaneous linking with other business processes directly in SAP ERP. Further potentials and scaling up options became apparent during project implementation, which are currently being examined by RAMPF Production Systems GmbH & Co. KG.



### About CIDEON

CIDEON advises and supports companies in optimizing their product development processes – from the initial concept through to engineering, production and services. CIDEON's innovative solutions ensure continuous data flow along process chains making data accessible and cost-effective throughout the company. In this way, CIDEON's customers can fully exploit the potential of digitalization to benefit themselves and their clients. CIDEON employs more than 300 staff at 14 locations in Germany and Austria. It is part of the Friedhelm Loh Group, a globally successful Group with more than 12 production facilities and over 90 subsidiaries.

Further information can be found at [www.cideon.de](http://www.cideon.de) and [www.friedhelm-loh-group.com](http://www.friedhelm-loh-group.com).

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