

Customer Success Story

„XPLM supported us with their services from the ideation to the successful rollout. Their expertise was very useful during the whole project and the result met our full expectations.“

**BENJAMIN EILEBRECHT,
QUALITY MANAGER HARDWARE**



THE CUSTOMER

Wilo is one of the worldwide leading manufactures of high-tech pumps and pump systems.

THE PROJECT

Integration of Altium Designer in SAP ECTR

THE CHALLENGE

Implementation of a hierarchical manufacturing BOM, since a variety of different data models have to be organized.

ABOUT THE CUSTOMER

Founded in 1872 as copper and brass factory in Dortmund, Wilo has evolved from being a local specialist to a global player.

The Wilo Group is a global leading premium provider of pumps and pump systems for Building Services, Water Management and Industry. They make complex technologies user-friendly, simple to operate, energy-efficient and powerful for their customers. Today the company has over 60 subsidiaries in more than 50 countries worldwide.

CUSTOMER CHALLENGES

Wilo has got development and manufacturing facilities around the world. In the company, different software applications from different providers are used in the respective business areas for day-to-day business.

To control the product life cycle of their pumps, Wilo uses SAP PLM, for the development of electronic assemblies Altium Designer. So far there has been no direct integration between these two systems.

The data exchange had to be performed in a manual way and was thus highly user-unfriendly. The bill of materials of the electronic assemblies were maintained in Excel and imported into SAP PLM. This took a long time, particularly with regard to quality checks in order to avoid errors.

To make matters worse, the development department and the production of the electronic assemblies are located at different sites, which is also not an advantage for a smooth and quick exchange of information.

CUSTOMER REQUIREMENTS

Wilo needs an integration solution between Altium Designer and SAP PLM tailored to their needs. In order to meet the special requirements in the internal product development and manufacturing process, several individual bills of materials have to be created for each assembly.

Then these will have to be managed and forwarded in a flexible hierarchical structure. The SAP Engineering Control Center Interface developed by XPLM and DSC enables the implementation of these requirements.

THE JOURNEY

■ Phase 1

In order to clearly define the requirements, the first workshops were held at Wilo in February and March 2017. The implementation of the interface began in the following month.

■ Phase 2

In September 2017, further customer-specific adjustments were carried out and the required data models and bill of materials structures were implemented.

■ Phase 3

As of March 2018, there were minor adjustments and extensions. Shortly afterwards, the final and error-free release of the integration took place.

CUSTOMER BENEFITS

- By automating tasks instead of manual processing, the integration enabled Wilo to achieve higher quality results faster and more efficiently collaboration across sites.
- The management of all related electronic product data and the automated creation of a tailored data model and bills of materials structures are on high impact for business processes.
- With the worldwide roll-out of the Altium Designer to SAP PLM integration, users outside the ECAD world can now access design information, which greatly improves collaboration across sites.

ABOUT XPLM

XPLM is a globally operating PLM solution provider specializing in integrating applications, processes, data and information for optimum cross-domain collaboration between engineers. With its unique portfolio, XPLM integrates leading PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM/software tools.

For more information, visit www.xplm.com.

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