



Customer Success Story



„XPLM’s integration solution is very intuitive and provides a consistent design process from Creo 3D modeling to Teamcenter and our ERP system. The integration is stable and is used by about 200 engineers at eight sites around the globe.“

MARKUS FETZER, TEAM LEADER
PRODUCT DATA MANAGEMENT,
PROJECT MANAGER PDM

THE CUSTOMER

Putzmeister Holding offers the most comprehensive range of hi-tech, quality concrete pumps to customers worldwide.

THE PROJECT

Replacement of the legacy MCAD/PDM landscape and implementation of new engineering tools and processes based on Siemens NX and Teamcenter.

THE CHALLENGE

Realizing an undisturbed transition process with a minimized loss of design efficiency.

ABOUT THE CUSTOMER

Founded in 1958 in Aichtal, Germany, Putzmeister has built their company into one of the leading manufacturers of concrete pumps, mortar machines, mining equipment and thick matter pumps.

The company has a workforce of 3000 employees and has over 20 subsidiaries worldwide with design and manufacturing units across the globe.

CUSTOMER SITUATION

Although Putzmeister could make use of a well-proven tool chain for mechanical design, the legacy systems did not support Putzmeister's expectations of a global PLM platform for different engineering disciplines, that could:

- Future-proof tools with reliable long-term support
- Guarantee enhancements and provide a clear strategy for the vendor
- Make it possible to integrate further engineering disciplines like ECAD or simulation

After a long evaluation phase, Putzmeister decided to replace the former CAD (PTC Creo Elements/Direct) and PDM system (PTC WorkManager) with Siemens NX and Siemens Teamcenter in 2016. From the beginning, XPLM was part of these discussions and responsible for the future PLM migration and CAD translation process. After detailed discussions with Siemens and XPLM, Putzmeister selected a multiple step scenario for the project realization:

- Implementation of Siemens Teamcenter as the future PLM platform
- Migration of existing design data from PTC WorkManager to Siemens Teamcenter
- Integration of PTC Creo Elements/Direct to Siemens Teamcenter, using XPLM's Creo Elements/Direct integration
- Training of engineers and implementation of the 'go-live' with Teamcenter and the integrated PTC Creo Elements/Direct as the main CAD system
- Introduction of Siemens NX with subsequent CAD transition to the new format, using tools from Elysium and XPLM

DATA MIGRATION

As automated migration processes require extensive expertise in the source and the target system, Putzmeister and Siemens collaborated closely with XPLM's migration experts. To realize the migration of large data volumes in a short time, XPLM implemented several migration threads concurrently. The required migration tools were harmonized to guarantee the error free transition of large size assemblies.

"The specified goal to migrate all objects from work manager was successful. The staggered global roll-out, was the biggest challenge for both us and XPLM, which was, however in time, achieved", M. Fetzer.

CREO INTEGRATION

In order to make the implementation of Siemens Teamcenter seamless and to focus on the realization of new engineering processes, Putzmeister decided to keep using Creo Elements/Direct for a defined transition period. Therefore, engineers had the opportunity to familiarize themselves with the new PLM environment, while still using their known CAD system.

CAD TRANSLATION

The final step of the transition to a new engineering environment is the CAD transition from Creo Elements/Direct to Siemens NX.

"By swapping our CAD systems to NX, we will prepare ourselves for the demands of extensive product models and digitalisation", M. Fetzer.

CUSTOMER BENEFITS

- XPLM's migration and CAD-integration know-how enabled Putzmeister to move to the appropriate new PLM system
- The data migration tools and processes used ensured continuous engineering and access to the existing CAD design data in a modern PLM environment
- Global collaboration was optimized through successful integration of locations across the globe
- Future enhancements and the integration of additional engineering domains such as the electric development team is much easier in the new IT landscape, than the previous system
- Direct BOM data transfer from Teamcenter into SAP ERP

ABOUT XPLM

XPLM is an independent PLM service provider and system integrator. XPLM develops integration solutions between leading PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM / Software tools for an efficient, repeatable and error-free product development process.

For more information, visit www.xplm.com.

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