

Customer Success Story



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„With the successful system and CAD data migration, the XPLM has made an important contribution to harmonising our heterogeneous system landscape.“

MARKUS SCHRATZBERGER,
DIRECTOR IT & PROCESS MANAGEMENT,
WINTERSTEIGER AG

THE PROJECT

- MCAD data migration from PTC Model Manager and Windchill to Siemens Teamcenter PLM
- CAD conversions from PTC Creo Elements/Direct (CoCreate) and Creo Parametric (Pro/E) to Siemens NX

THE CUSTOMER

WINTERSTEIGER AG is a mechanical and plant engineering group that has established itself as an international trendsetter thanks to its technically adept solutions in niche markets for wood and metal processing as well as for winter sports and field test technology.

INITIAL POSITION

Wintersteiger AG has been growing continuously since 1953 through strategic company acquisitions. The Austrians are standardising the automatically resulting heterogeneous engineering system landscape step by step by switching to the Siemens world.

For the migration of the PDM systems as well as for the conversion of over 100,000 PTC Creo Elements/Direct files and the approx. 40,000 Creo Parametric files, Wintersteiger commissioned XPLM on the recommendation of Siemens.

SOLUTION

The migration project was implemented between 2018 and 2020 in several staggered sub-projects, each of which was preceded by a thorough inventory data analysis and a test project. This procedure ensured the high quality of the result data. The total duration was 8 months.

For the first automated analysis of legacy data XPLM used its own tools developed in the course of previous migration projects. In addition, a large number of other database queries identified unclean data records that needed to be cleaned up before the migration.

CONVERTED DATA ARE SUITABLE FOR DIRECT FURTHER PROCESSING WITH NX

In an initial sub-project, the Creo Elements/Direct data were migrated from the Model Manager to Siemens Teamcenter in 2018, allowing the Model Manager to be switched off at an early stage. The designers worked with the XPLM connector for Creo Elements/ Direct integration in Teamcenter for about 2 years.

Familiar with their new PLM system, Wintersteiger started the second sub-project with the XPLM team in 2020 with the conversion of the CAD data to NX. For this, the Creo Elements/ Direct were exported from Teamcenter, converted and created as NX objects in the PLM system. Version jumps within CAD software and the generation change from ME10 to PTC Creo played no role in the migration of the sometimes very old legacy data.

With a view to the future design methodology with NX, the migration was not limited to data transfer and conversion. Wherever possible, the process transferred the 3D master models together with the 2D drawings to an item revision. In this way, the CAD data can be edited directly using the “master model” method preferred by NX.

CREO PARAMETRICS ASSEMBLIES CONVERTED EXACTLY IN B-REP FORMAT TO NX

“Although NX conversion of Creo Parametric data was new territory even for the XPLM migration professionals, they helped us. We give the team credit for that.”

Markus Schratzberger, IT & Process Manager, Wintersteiger AG

The test project for converting the Creo Parametric modules, consisting of an average of 2,000-3,000 components, to NX showed that the quality of the result data was not satisfactory: NX did not recognise the symbols and the features were lost. Wintersteiger therefore decided to convert the 3D models as pure boundary representations (B-Rep) into NX format and to store them in Teamcenter together with their associative drawings. The modules can be processed using NX Synchronous Technology.

ADDED VALUE

The successful system change as well as the good quality of the migrated CAD data form a solid basis for the path to company-wide, centrally and uniformly managed product data as well as a standardised methodology in mechanical design.

„When we migrated our MCAD data, XPLM was our saviour in an emergency. Within the planned time, the team ensured that we can use the inventory data that is essential for us in good quality with the new systems.“

Markus Schratzberger, IT & Process Manager, Wintersteiger AG

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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