Customer Success Story

> *„Due to XPLM integration solutions all CAD data is now in one system and we can easily share CAD data and engineering resources worldwide."*
>
> **DARREN PARRILLO**
> **CAD PDM MANAGER**

THE CUSTOMER

Brooks Automation is a leading worldwide provider of automation and cryogenic solutions for multiple markets.

THE PROJECT

Implementation of a product lifecycle management solution for multiple Computer Aided Design (CAD) packages.

THE CHALLENGE

Implementation of Agile PLM and integration with PTC, SOLIDWORKS, Autodesk Inventor and Altium Designer Migration of CAD files from a PDM system into a PLM system.

ABOUT THE CUSTOMER

Since 1978, Brooks has been a leading partner to the global semi-conductor manufacturing market, and, through product development and strategic business acquisitions, has expanded offerings to meet the needs of customers in the lifesciences industry, analytical and research markets and clean energy markets.

Headquarted in Chelmsford, MA, with direct operations in North America, Europe and Asia, Brooks is a global provider of automation and cryogenic solutions for multiple markets including semiconductor manufacturing and the life sciences.

CUSTOMER CHALLENGES

The challenge of working with multiple mechanical and electrical CAD Systems led Brooks Automation to XPLM's integration solutions and expertise. They needed a solution that could:

- Connect Oracle Agile PLM with PTC, SolidWorks, Autodesk Inventor, as well as Altium Designer
- Allow for the storage of all CAD files in Oracle Agile PLM

After a long research and decision-making phase, Brooks Automation chose XPLM to support them in improving the efficiency of data management globally. From the very beginning, XPLM was responsible for structuring and guiding the project.

After initial discussions the following steps were taken in order to realize the project:

- Exploration of solution options
- Presentation to management for approval
- Creation of a test environment
- Training of project leaders in how to install, configure and use the software
- Further testing, followed by the development of Brooks processes around the functionality of the mechanical design connector
- End/user and document control training and testing of software
- Individual training offered for some users
- Global roll/out for 3 different CAD tools for use in production
- Weekly user-group meetings in support of users

DATA MIGRATION

The migration of data between systems requires time and expertise. XPLM ensured that the project leaders were well-trained in the migration process, ensuring that further internal training could take place in-house. Throughout the migration process XPLM's sales and support team were on hand to offer timely advice and their expertise where necessary.

ADDED VALUE

In the implementation of the solution, it became clear to Brooks that the integration not only improved the ease of using CAD and PLM together, it also improved the functionality of two of the CAD tools. Solidworks and Autodesk Inventor CAD tools do not have the functionality to rename CAD files in session. This is now possible thanks to XPLM's interface.

It is therefore not surprising that Brooks Automation have recommended XPLM to multiple companies struggling with the same data management issues.

CUSTOMER BENEFITS

- XPLM´s migration and CAD-integration know-how enabled Brooks Automation to seamlessly integrate multiple CAD systems with Oracle Agile PLM
- The training offered to Brooks Automation, alongside the ongoing support from XPLM allowed Brooks to take control of the project implemention, CAD data migration and in-house education. This supported independence contributed to the success of the project

- Global collaboration was optimized through successful integration of locations across the globe
- A common process and system for processing CAD assemblies across sites was made possible
- Human error was minimized through automation, which although hard to measure, inevitably saves time and reduces costs with streamlined and reliable processes.
- Ease of use in comparison to other solutions in the industry

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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