

CASE STUDY

Modernizing PLM: How Yamaha Motor Manufacturing Improved Global Data Sharing & Security with Teamcenter

INDUSTRY:
Automotive

COMPANY

YAMAHA

Automotive & Recreational Vehicle Manufacturing



CHALLENGE

Yamaha Motor Manufacturing Corporation produces a diverse range of recreational vehicles, including golf cars, all-terrain vehicles (ATVs), personal watercraft, and As part of a global manufacturing organization, Yamaha needed a modern, adaptable Product Lifecycle Management (PLM) system to connect product information across multiple departments and support collaboration between its U.S. and Japan operations.

Yamaha also needed to improve system security and CAD user efficiency while making engineering data easier to share across different systems and departments. To support these requirements, Yamaha sought to modernize its PLM environment, improve CAD workflows, and strengthen data security while providing users with an updated and more adaptable working environment.

SOLUTIONS

Saratech partnered with Yamaha to upgrade its Siemens Teamcenter environment to the latest version and provide administrative support to help users transition smoothly into the updated system.

To support engineering data exchange and visualization, Saratech helped implement JT, a CAD-neutral visualization format that allows product information to be viewed without requiring access to the original CAD authoring system. The team also automated STEP file generation directly from Siemens NX CAD, supporting the exchange of engineering data between different systems. Additionally, Saratech developed custom drawing templates tailored to Yamaha's requirements, providing users with a more customized CAD workflow. To further address data security and user access requirements, Saratech helped implement single sign-on (SSO) within the PLM environment.



RESULTS

Through its collaboration with Saratech, Yamaha upgraded its Teamcenter environment and improved its ability to share engineering data across its global operations.

The updated PLM environment provided a more customized user experience, while JT visualization and automated STEP generation supported engineering data exchange between different systems. Data sharing between Yamaha's U.S. and Japan operations also became smoother. Additionally, implementing single sign-on strengthened Yamaha's data security and provided an improved approach to user access.

- **Modernized PLM Environment:** Upgraded to the latest Siemens Teamcenter version
- **Improved Global Data Sharing:** Smoother exchange of engineering information between U.S. and Japan operations
- **Automated CAD Data Exchange:** Automated STEP file generation from Siemens NX CAD
- **Customized CAD Workflows:** Developed drawing templates tailored to Yamaha's requirements
- **Enhanced Data Security:** Implemented single sign-on (SSO)

ABOUT SARATECH

Saratech provides engineering solutions to help companies realize better products. We supply engineering expertise, services, software, and manufacturing solutions to improve product development experiences. Our dedicated engineering team uses the software and tools that we sell and support while employing industry best practices and methodologies. We serve customers in all major industries, including energy & utilities, aerospace, space, marine, defense, automotive, manufacturing, industrial machinery, medical, electronics, consumer products, and more.

Partner with us to solve challenges and accelerate your development cycle, contact us today to request your free consultation: 949.481.3267 | info@saratech.com

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949.481.3267 | info@saratech.com | saratech.com

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