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Industrial Machinery Catalyst on the Cloud

Cloud-based machinery catalyst delivers best practices for machine design engineering

Benefits

- Accelerate time-to-value of PLM initiatives
- Reduce implementation time, costs and risks
- Leverage and align with leading customer and industry best practices
- Expand PLM access to everyone involved in product development to reduce manual processes
- Swiftly adopt new product development processes
- Increase process efficiency

Summary

It is more critical than ever for manufacturers of industrial machinery to tailor product lifecycle management (PLM) to their processes. That's because they are constantly being challenged by competitive pressure from low-cost providers, the need to produce smarter machines, original equipment manufacturers' (OEMs') demands for customized machines and regulatory pressures that determine many aspects of machine design.

The scalable, secure Industrial Machinery Catalyst on the Cloud provides a better way for customers to adapt PLM to their businesses by delivering a cloud-based, out-of-the-box deployment package that integrates industry-specific practices with industry-neutral common practices, resulting in a customized solution.

With the Industrial Machinery Catalyst on the Cloud, manufacturers can realize benefits including:

- *Accelerated launches* – By getting to market faster, companies can capture early, high-growth revenues and realize returns sooner.
- *Increased profitable growth* – Companies can establish value pricing through the delivery of highly differentiated products, extend lifecycle returns and increase revenue from mature products through market-driven enhancements. Additionally, manufacturers can increase the profitability of their products by reducing warranty costs and optimizing manufacturing processes and resources.
- *Reduced build costs* – Companies can reduce the number of costly, time-consuming physical prototypes and design-in manufacturing efficiencies while minimizing errors and maximizing re-use of knowledge. Manufacturers can deploy best practices across their organizations and supply chains in order to enhance process efficiencies and make better use of resources. This can eliminate duplication as well as non-value-added processes.

The Industrial Machinery Catalyst on the Cloud delivers solutions that enable machinery manufacturers to move from computer-aided design (CAD) data management to engineering process management, providing the ability to:

- Drive technical specification requirements using integrated mechanical design and drawing management. Document-enabled technical specification management is a scalable solution that does not require the complex lifecycle management of each individual requirement.

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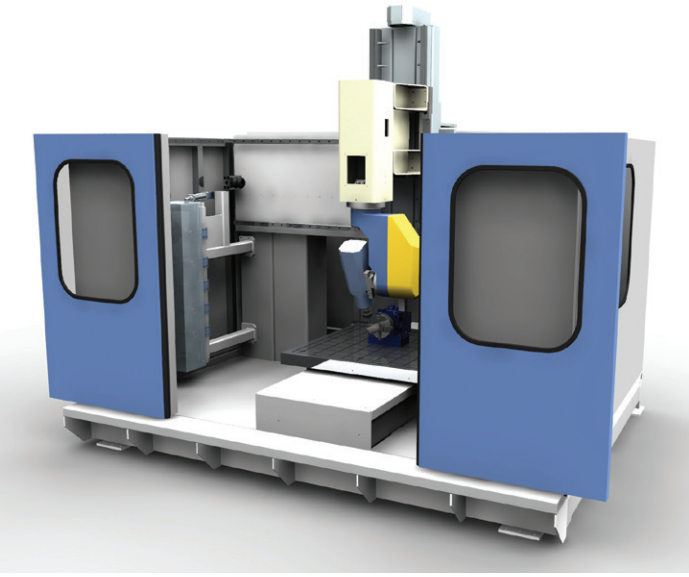
Features

- Order and technical specification management
- Project and schedule management
- Model-centric drawing release
- Cloud-based, out-of-the-box deployment

- Use project management to satisfy specific requirements. Project management always suffers when solutions are isolated. The Industrial Machinery Catalyst on the Cloud enables you to implement a transparent project management approach for all project-related items, including schedules, documents and design items, in a single project brief item in Teamcenter® software. As a project manager, you can use this design to view the status of all project-related items.
- Integrate change management to improve quality and speed. Changes with significant cost and design impacts must follow a standard track that requires formal request approval and the full notice process, with review by the change implementation board. This arrangement provides more flexibility in change management to better satisfy specific needs.



- Provide a model-centric drawing release process. Synchronized drawing and product releases ensure consistency between drawings and product design. The format, which supports information and translation, is managed during the release process to ensure consistency. This pragmatic industrial machinery data release approval process workflow is designed for drawings and translation of drawings to different formats, such as PDF, DXF and CGM, with release information in the drawing title block.

Key underlying capabilities of the Industrial Machinery Catalyst on the Cloud include:

- Requirements and specification management, providing you with the ability to trace the requirements from the origin, manage changes and control versions. It is a scalable solution that does not require the complexity of lifecycle management of each individual requirement.
- A process-oriented workflow to support mechanical design, enabling you to automate the product design process by re-using the components independent of the CAD data, and gain an overview of process information.
- Preconfigured change management based on industry best practices, enabling support engineers to design a platform, automate the product design process for re-using the platform, easily configure the product for customer needs and create managed, order-specific BOMs.

All of these capabilities are also delivered with the support of the following cloud benefits:

- World-class PLM delivered on world-class cloud
  - Proven Siemens PLM Software portfolio leadership
  - Enterprise-grade cloud service expertise
- Focus on intellectual property (IP), not information technology (IT)
  - Effectively and flexibly service lines of business
  - Improve profitability by assessing IT services and reducing capital costs
  - Centrally manage a global footprint
- Subscribe and go
  - Easily and cost-effectively deploy cloud environment(s) to support business needs
  - Simplify new product evaluations and pilot projects
  - Offered through Siemens and partners

To learn more about our industrial machinery solutions, please visit: www.siemens.com/plm/advancedmachinery

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