

SIEMENS
Ingenuity for life

Product Intelligence for Teamcenter

Complete program visibility for continuous product improvement

Benefits

- Combine Teamcenter data with other big data sources
- Provide complete program visibility
- Quickly determine whether a design issue is one-off or systemic
- Easily pinpoint current location and usage of components
- Improve designs using product intelligence
- Instant access to unified PLM IT performance metrics

Features

- Rapidly transfer and ingest product data into new designs
- Identify first-time quality and monitor time and costs of design cycles
- Visualize top design issues
- Alerts and notifications enable proactive engagement of emerging trends

Product Intelligence for Teamcenter® is a cloud-based Software-as-a-Service (SaaS) big-data analytics solution that combines product lifecycle management (PLM) data with other enterprise sources to improve program visibility

and velocity and enable continuous product improvements.

Growing customer demand for new and innovative products forces companies to accelerate product release cycles and operational processes. In order to do this, companies must leverage the intelligence coming from their products, from design to the field. Often this data is in silos and disparate, making analysis a time- and resource-intensive project. Product Intelligence for Teamcenter takes existing Teamcenter PLM data and combines it with other big data sources such as design, procurement, supply, manufacturing and field data. Having access to all data in one data lake for analysis provides complete program visibility and the ability to spot trends as they happen.



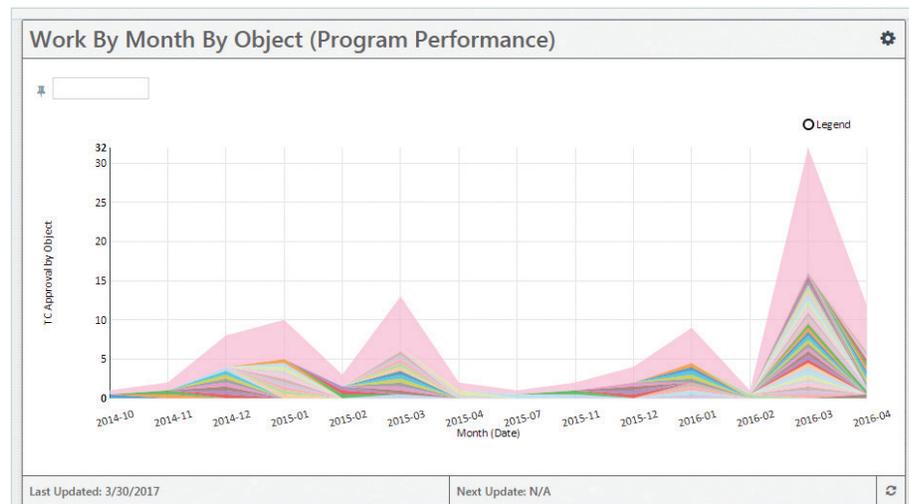
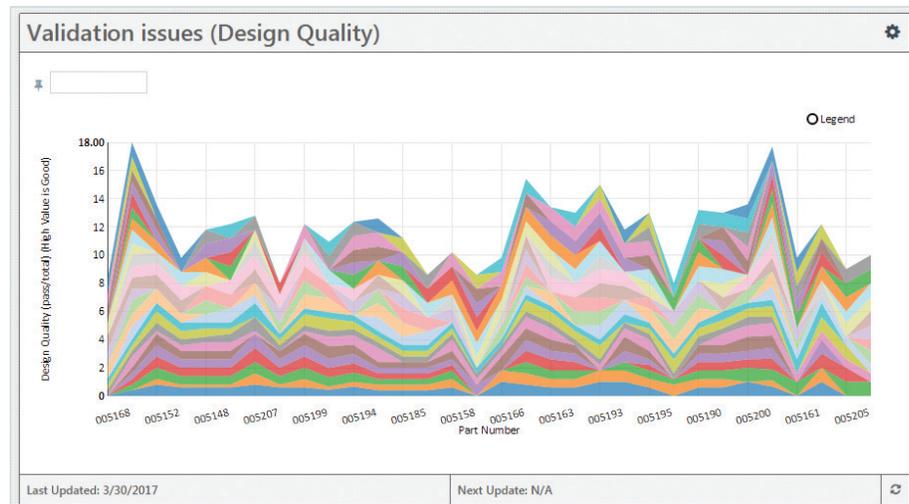
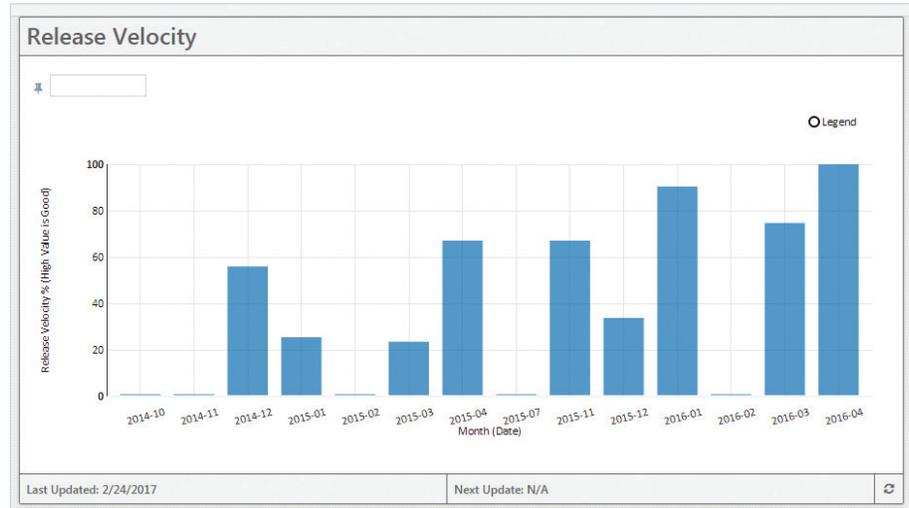
Product Intelligence for Teamcenter

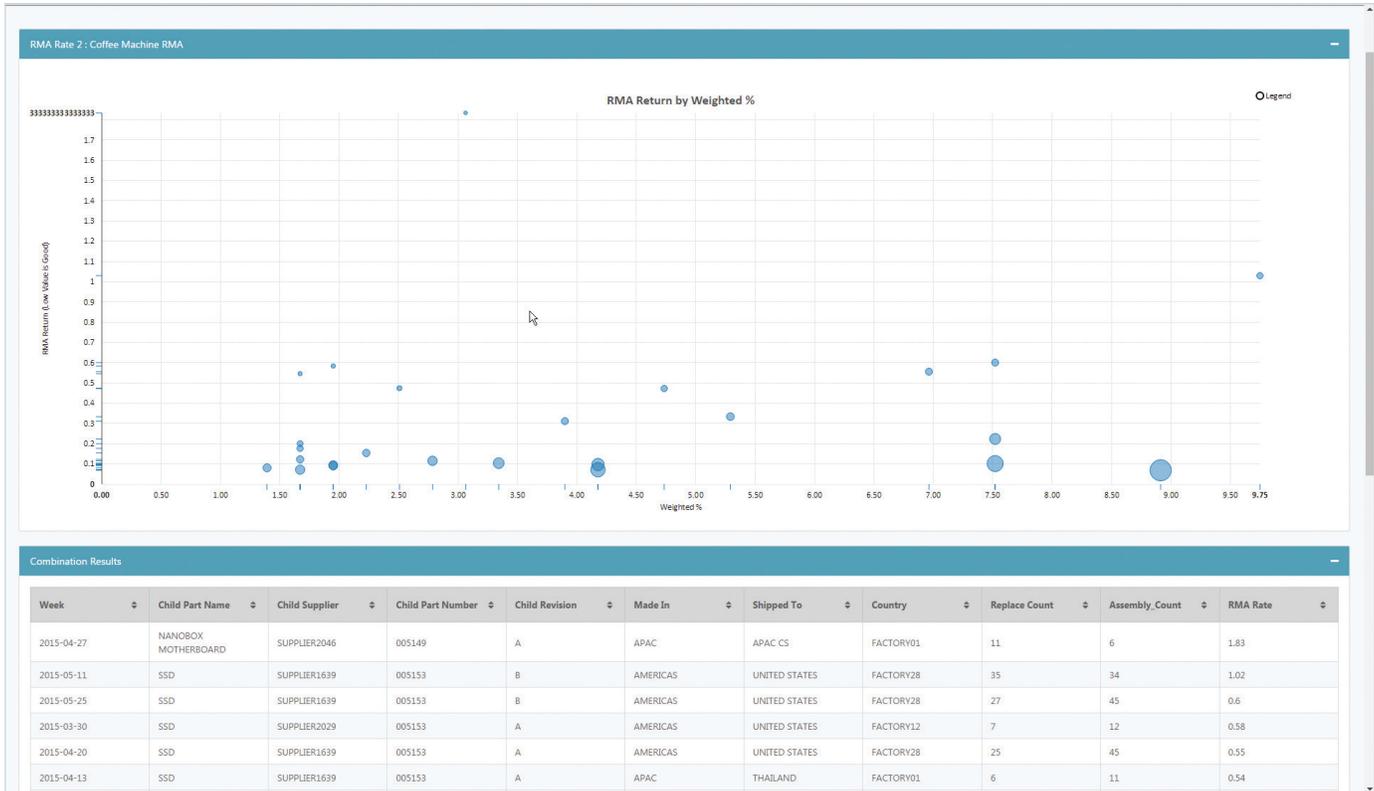
Increase program performance and shorten innovation cycles

Global companies make investments in multiple enterprise software and analytics systems to support the product development process (including PLM, ERP, SCM, MOM, QMS, IoT, CRM). Additional value and return on investment from these existing systems is possible by combining one or more of these data sources with Teamcenter data. Discover new insights by identifying optimal combinations of existing design, supply, procurement and manufacturing data to improve program performance. Enable continuous program improvement by monitoring program velocity and identifying emerging velocity trends. Shorten innovation cycles via rapid transfer and ingestion of product data into new designs and quickly determine if design issues are one-off or widespread.

Improve designs through product intelligence

Design teams often find themselves recreating components due to lack of information about existing components. Field performance and manufacturing data are not correlated with multiple sources, prohibiting analysis and understanding of design re-use data, which causes design teams to rely on intuition instead of facts during the design process. This can contribute to poor first-pass yields in production and create manufacturing and design rework. Eliminate design rework and improve designer efficiency by leveraging as-used product data to improve design for manufacturing and maximize usage of components with verified high performance from the field. Leveraging multiple data sources now makes possible a closed-loop design process which will not only improve designs, but also overall product quality.





Increase visibility and insights

Companies making innovative complex products can have hundreds of thousands of components that are assembled to make the final product. Component revisions are often necessary when products fail first-pass yield. Product Intelligence for Teamcenter makes it possible to easily visualize the impact that different component revisions have on production performance. If it is discovered that a certain component could be an issue, the current location and usage throughout the design and production processes is quickly pinpointed, ensuring that only quality products make it to market. Get started fast with easy set-up of out-of-the-box part-to-production metrics.

Identify first-time quality and monitor time and cost of design cycles to provide a complete view of program success from design to product launch. Throughout each step of the production

process, continuous identification of emerging trends automatically alerts users for proactive engagement and assessment of new insights.

Improve performance of PLM IT through global analysis and monitoring

IT departments benefit by having instant access to unified PLM IT performance metrics. Use existing Teamcenter performance data to quickly identify and resolve issues due to file caching, and show the global impact of caching on design cycles. Companies can use this intelligence to better streamline caching and set alerts to receive notifications of emerging caching trends. This automated monitoring process will remove the IT burden of manually monitoring Teamcenter and server performance, maximizing PLM system uptime and user satisfaction.

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