

FaithPLM Solutions

Simplifying complex enterprise...



Leading Indian Original Equipment Manufacturer streamlines their engineering business processes and enhances BOM management in Teamcenter

About Client

Our client is a leading Indian original equipment manufacturer. It is among the leading names in the industry and have premier products across various segments. It offers its products and services through its dealership, sales, and spare parts networks.

Business Challenge

Engineering process management plays a vital role across the various stages of product development lifecycle. Mapping and automating the complex business processes is important to achieve the organizational goal efficiently. To achieve Collaborative decision making and integrate different business functions with engineering processes customer identified key business processes and decided to map the same in their existing PLM tool Teamcenter.

Customer realized that it needed a solution which will map business process efficiently and effectively, which will automate activities during the process and maintain complete audit of the process. Also it was highly important for the client to maintain data security while working on the process and thus to achieve complete confidentiality while working on classified programs.

Some of the business challenges were

- Mapping business process efficiently and effectively
- Automation of the activities during the process
- Collaborative decision making
- Maintaining data security during the process
- Maintaining audit of the process
- Integration of different business functions with engineering process
- BOM enhancements to share required information across other departments within or outside the organization.

Solution

While involved in this engagement we delivered following solutions

- **Business Process Mapping**
Used existing Workflow Designer Application of Teamcenter to design workflow while utilizing maximum OOTB handlers and configurations so as to reduce implementation cost.
- **Automation of process**
Custom Action handlers were written and attached to the workflow process. Some of the tasks were to search top level assembly owners and add same in the signoff team automatically. Rejection comments were made mandatory and were captured in custom form which is attached to corresponding revision. When approved, all the rejection forms are deleted automatically.

➤ Unified Communication Platform

We designed solution which would put all the stakeholders on unified platform so as to achieve collaborative decision making. Workflow integrated with office tools to notify all the users, publish review comments and take necessary actions. A scheduled task displays all the pending tasks of all the designers who are stakeholders of the process

➤ Data Security

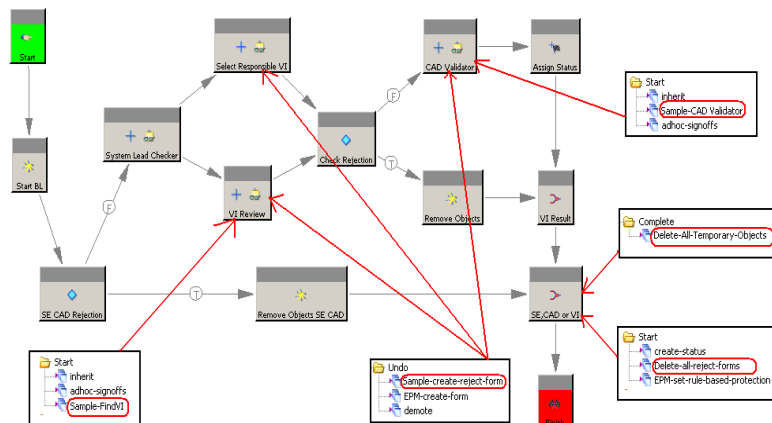
Solution was designed while putting valid access privileges at various stages across the process so to ensure the data security at each stage of the process. Detailed auditing set and made available to administrators.

➤ Enterprise Information Integration

Integrated manufacturing department within the process so as to publish material information and disseminate the same to design department.

➤ BOM Enhancements

Solution designed using custom code to add runtime property to hold weight of the assembly which would be displayed in structure manager and publish the same within workflow to other departments.



Result

Based on the solutions we provided, our client now has a solid foundation to align its PLM vision in accordance with the business process and thus leveraging maximum benefits out of it. These Solutions helped our client on various fronts:

- Establish suitable design practices
- Ensure collaborative decision making while reviewing design data.
- Involve all the stake holders before releasing design data to avoid design conflicts / assembly-line surprises.
- Unified communication platform to put all the stakeholders at each stage of the process
- Continuous notifications/alerts or monitoring on tasks to avoid unnecessary delays and encourage rapid development
- BOM enhancements to disseminate information.
- Utilizing designers to their fullest extent.

Why FaithPLM Solutions?

Our deep-set commitment to our customers defines how we do business. Our customer centric engagement model enables our customer to meet their business goal effectively and efficiently. With the strong functional expertise and solution designers we've enabled our customers We support customer's business goals and offer continuous services/support based on the requirement. Whatever customer's business needs, we have the in-depth knowledge, processes, tools and relationship-based approach to put the right solution in right place at right time.

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