



About the Client:

Megha Engineering & Infrastructures Limited (MEIL) is an infrastructure company headquartered in Hyderabad (India). The company was established in 1989 as a small fabrication unit, and has over time made a name for itself in the global manufacturing and engineering sector.

Business Demand:

As a corporate with an international presence in the fabrication and construction industry, the Oil and Gas division of MEIL has to collaborate and coordinate with multiple internal departments, external consultants, equipment suppliers, and clients. Various project-specific designs, drawings, and specifications need to be reviewed by multiple departments as well as the client before they are released for manufacture and construction.

Wrench SmartProject as the Solution:

MEIL chose Wrench SmartProject as a solution to manage their project engineering and technical documentation and to enforce real-time monitoring of document progress until closure, with drill-down reports.

SmartProject was set up and configured in accordance with MEIL's business processes flow for their Oil and Gas projects. The solution includes:

An engineering document management system (EDMS) with pre-set workflows for:

- Automated collaboration, including the capture of real-time progress of any engineering drawing within the system, which will allow users to minimize internal or external delays.
- Digital transmittals and capturing of document status at the source, which will reduce the need for manual intervention and minimize errors in reporting.

Smart folders with pre-defined user security/access for:

- Project-specific and drawing-status-oriented categorization of folders, which will help the team easily access any documents they need, 24x7, with a few clicks.
- User-friendly advanced search functions with multi-search criteria, which will enable users to search for content they know is within the document.

Real-time progress status monitoring for:

- Drawing progress that is captured in real-time and presented through interactive reports, which will foster proactive decision-making.
- Visibility into deliverables progress that can be rolled up to WBS and Project levels, which gives the management team real-time status reports at any time from anywhere.

Correlative and scale-down reports:

- Standard system-generated reports have been set up in such a way that they present adequate and accurate information about a project, which helps users understand the activities that need to be expedited.
- Ability to perform deep-dives into the root level of any selected activity/task.

Interactive alerts that will prompt the right person to take action through:

- Notifications and Alerts that remind users to act on assigned tasks.
- Tracking of internal and external correspondences and status reports, which is made available in real time to all the stakeholders.



We have found SmartProject to be a dynamic, flexible, and user-friendly system that is greatly reducing the amount of manhours required for engineering deliverable management. We see this implementation as a first step towards digitising our entire Project Management process and to that end we are planning to explore the additional capabilities of SmartProject.

Satish Reddy

Lead Document Controller, Megha Engineering



Results as reported by MEIL:

- Team is able to produce error-free reports with far less effort, thanks to the real-time capturing of submission and response dates of all the engineering deliverables by the Wrench SmartProject system.
- Transmittal generation is now automated which is saving a lot of man-hours.
- The internal reviewing and tracking processes are now digitized with dynamic workflows, which has replaced the earlier conventional methods that were tiresome and inaccurate.
- The Wrench SmartProject system implementation has fulfilled all MEIL's stakeholders' requirements for improving the ease of managing critical engineering documentation.
- MEIL's team now has a single source of truth captured from the source. This will help them diffuse conflicts with clients, as well as help defend against any claims from vendors and subcontractors.



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For more information on this project, please contact: getinfo@wrenchamericas.com

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