



ENPRO adopts Wrench SmartProject's Phased Digitization Model

Summary

ENPRO is a leader in the design and manufacture of custom-built equipment like pressure vessels, heat exchangers, lube oil systems, chemical injection skids etc., catering to EPC contractors and owner organizations in Oil & Gas, Power, Fertilizer, and Petrochemical sectors.

ENPRO was started in 1988 by a first-generation entrepreneur from Pune. In the early days the company was involved mainly in trading valves and pumps. Since then the company has been handed over to the second generation and under the new leadership has expanded its business stream to include Engineering Services division. The new management quickly realized that technology would be the key enabler for future growth and bring in visibility and transparency, as well as help them reach clients across the world and exponentially scale up the business in a short time.

The Need

In EPC projects the timely delivery of equipment within the committed schedule is of paramount importance. A delay in the delivery of equipment can put all the subsequent activities on hold and potentially delay the project completion, as well as incur additional project costs. Preventing delay was therefore the primary challenge.

Every step in the design process had to be approved by the client because the equipment was manufactured to meet specific project requirements, and delays in getting a design approved in turn delayed the commencement of manufacturing.

Procurement of non-standard materials got put on hold, awaiting the approval of the specifications and drawings. Since drawings go through multiple disciplinary checks internally, with PMC and owner organizations, hundreds of documents were being generated. Tracking the status of

those multiple revisions was a very tedious process because it was being managed purely through manual updating into MS Excel worksheets.

The tracking of each document through each stage with timely follow-up was extremely important to ensure that the manufacturing of the equipment could be completed within the committed schedule. But without a system that allowed all the stakeholders to collaborate in real-time, it wasn't easy to stay on schedule.

The Solution

In early 2021, ENPRO turned to Wrench to address these challenges and support their growing business needs. They chose SmartProject Digital Documents (formerly called Wrench EDMS) as their platform for managing documents and correspondence. The implementation was done remotely due to pandemic conditions and was completed on schedule.



“Digitization is intimidating to most companies because they worry about the change and disruption, so we devised this phased model to make the path easier. We usually start by implementing SmartProject Digital Documents as the first phase of the digitization of the client’s business process and then once the client sees the value of this system up close, we are typically asked to follow up with the rest of SmartProject’s modules in project controls, procurement, cost and cashflow management, manpower management, etc.”

-K Varghese Daniel, CEO, Wrench Solutions

ENPRO did not face any downtime or speed issues during or after the implementation. They have been using SmartProject for the past year without any reported problems despite 24X7 access to Wrench’s customer support team.

SmartProject was configured to work exactly the way ENPRO was already working (besides shifting people to the new platform). This made everybody more comfortable with the transition and more open to future digitization.

The Results

ENPRO’s management is now able to ensure that all document processing is done through the SmartProject system and no report from outside the system is permitted; this ensures 100% adherence to all the prescribed quality protocols.

As they are working on multiple projects concurrently, ENPRO’s staff is finding SmartProject’s 'To-Do list' very useful. This feature presents every user’s individual To-Do lists on his desktop and keeps him updated on his progress. And since all the reports are now readily available, reporting of the progress to the client is done with a click of button.

The availability of these real-time reports is a huge benefit in expediting the information and responses from the client as well as from the vendors. There is now no preparation time required to attend client meetings as well.

When it comes to custom-built equipment, changes in design and specifications are inevitable even up to the last stage of manufacturing. It was important for ENPRO to be able to maintain the change request and approval history, in order to ensure timely payments and support the claims of additional scope of works executed or delays caused due to reasons not attributed to ENPRO. The real-time data provided by SmartProject ensures that genuine change request and claims are tenable, and clients favorably settle such issues. The data from SmartProject will be of real value, should any delay claims from clients or other unjustified claims from vendors and subcontractors arise in the future.



“The flexibility of SmartProject when it comes to structuring workflows and generating reports to our specific business process is in my view, the most value-added feature we got during this implementation, especially when compared to the more rigid framework of other products in the market I have seen”

-Anuj Karkare, Executive Director, ENPRO Industries

Next Step

Now that their engineering document management process has been completely streamlined and digitized, ENPRO is planning to adopt Wrench’s phased approach to digitize their entire business process. They will soon be implementing the other features of the SmartProject platform.

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