

Case Study

Engineering and Procurement Solution for L & T Valdel

Client

L&T-Valdel Engineering Limited (LTV), a Joint Venture between Larsen & Toubro Limited (L&T), an Indian Multinational Engineering and Construction Conglomerate and Valdel Corporation Private Limited, pioneers in providing Engineering Services for Oil & Gas Industry.

L&T-Valdel Engineering Limited purchased license for Engineering and Procurement modules for managing deliverables documents and material control and has been implementing Backend EPC since 2006.

Project

L & T Valdel used Backend's Engineering System's Document Tracking and Control module, Correspondence, Timesheet Management and Advanced Planning & Budgeting. Backend 's Engineering System is a web-based platform that enables all internal project participants to enter time sheet booking and time sheet approval, manage Engineering activities like Document Register, Transmittals, Inter Disciplinary Checks, Correspondence, Client Comment Resolution, maintain Need-List and Hold-List, and Advance Planning Activities like Control Budget, Work Break Down Structure, Interface to P3 and Scheduling activities.

L & T Engineering Pvt Ltd implemented Backend Procurement module primarily for Material Control to track all procurement activities like enquiries, vendor nominations, bid clarifications and to generate a comprehensive set of MIS Reports.

Solution

L & T Valdel needed a customized solution to manage Document Tracking and Control module, Correspondence, Timesheet Management and Advanced Planning & Budgeting. It also needed to integrate with support functions like Attendance & Leave Management in HR System and bridge with Primavera for Planning.

L & T Valdel implemented Backend 's Engineering System a web-based enterprise level software solution for engineering process management contains all of the above and includes additional highly useful features like To-Do list, Alerts, Project Calendar, Executive Dashboard and Advanced Planning integrated with third party legacy applications like Primavera and swipe card based attendance system. It also combines an intuitive user interface resulting in a very user friendly system.

Doc Track for collaboration

DocTrack was designed to help L & T Valdel maintain control over the flow of communication and documents among project team members, contractors and sub-contractors, clients and vendors. DocTrack is highly secure. Access permissions to DocTrack are assigned based on Roles & Rights granted to the users thereby securing the system. DocTrack helps to reduce cost significantly and improves productivity. As an automated system, DocTrack frees up your staff's valuable time to concentrate on core business processes, secure in the knowledge that your documents are being handled efficiently.

Time Track for Resource-wise Tracking

TimeTrack helps automate logging of timesheets and increases accuracy of manhours spent by integrating a workflow for approval with a built-in alerting system. TimeTrack integrates seamlessly with DocTrack, thus determining resource-wise effort actually spent for producing the deliverables.

Salient Features

Documents

- Document Register
- Customizable automated Document Numbering as per company standards
- Customizable automated Revision Numbering as per company standards
- Automated Version Control
- Automated Numbering of WBS, Transmittal, IOM, IDC and so on
- Documents creation at Process Block-Level / Structure block-Level / Building-Level or at any user defined level
- Document Control Index and Material Control Index

Timesheet

- Comprehensive Timesheet management system
- Generic work codes template
- Daily timesheet booking - Document wise, work code wise
- Weekly Timesheet approval of project activities based on Taskforce
- Weekly Timesheet approval of overhead activities based on company Organogram
- Alerting mechanism
- Department Capping
- Budget Distribution and Budget Transfers
- Man-days Tracking of Change order and re-work

Results

As a result of implementing Backend's Engineering and Procurement Solution, L & T Valdel is able to monitor the real time data and reach of the intended project deliverables to the desired acceptable levels of stockholders involved.

Implementation Training and support

Backend Bangalore Pvt Ltd had implemented and trained the L & T Valdel staff with using Backend's Engineering and Procurement Solution. Backend Bangalore Pvt Ltd and L & T Valdel worked together to ensure that existing data was uploaded onto the Backend's Engineering and Procurement Solution. From then onwards, Backend's Engineering and Procurement Software was the default tool for managing the project.

To ensure that project members are adept at using the system, Backend Bangalore Pvt Ltd ran customized training modules for all participants and supplements these with unlimited helpdesk and online support.