



ESSAR Projects Pvt. Ltd - Achieving a 180° progress visibility with WRENCH™
Project : Iron-ore beneficiation plant at Askaf Iron ore in Mauritania.

ESSAR Projects bags USD 600 million EPC (Engineering, Procurement and Construction) contract for a 7.5 MTPA iron ore beneficiation plant in Mauritania, in Western North Africa. The project was awarded by Sphere Mineral, a subsidiary of Glencore Xstrata, one of the world’s largest natural resource companies.

ESSAR Projects Pvt. Ltd. is a leading Engineering, Procurement and Construction (EPC) contractor with clients in Hydrocarbon, Power, Metals and minerals sectors. Networked across the world with clients, projects, buyers, consultants and man-power, ESSAR Projects Pvt. Ltd are specialised in basic and detailed engineering and 3D plant engineering.

Need for a system

In order to complete the project on time, within budget and quality it was crucial to use the best project management tool. Project owner, Glencore insisted ESSAR to have EPC progress monitoring tool to ensure smooth project delivery by ensuring timely completion of project deliverables. Further Glencore insisted that for the purpose of validation, all invoices raised by ESSAR Projects have to be forwarded along with the progress reports generated through a progress monitoring tool.

After careful evaluation, ESSAR chose WRENCH™ to be their EPC project delivery tool for the project.

Before WRENCH™

Previously the company was relying on Oracle Primavera for planning, Documentum for document management and progress monitoring was recorded on multiple spread sheets. The progress monitoring was dependant on weekly data gathering and updating of the spread sheets.

Sharing of documents between corporate office and design office to their project office were dependant on local modes of transport with email intimations between users.



“We have seen so many tools in the market, but haven’t seen anything which is integrated and brings complete EPC visibility for me”.

Vikram Rao, GM-Project Controls, Essar.



Implementation

The implementation team from WRENCH™ Solutions completed their full system study and successful installation within a month. The installation was divided into two phases .

Phase 1 - Setting up of hardware and software in their corporate office.

Phase 2 - Integration of WRENCH™ with external software's like SAP, Primavera etc.

Project Users located in both Mumbai and Hazira offices underwent detailed classroom training sessions.



"I found the system very easy to use and flexible enough to cater all my requirements".

Piyush Pandey, Manager, ESSAR.

Key benefits

Information management

- Comprehensive document life cycle management strengthened by automated review and online commenting process.

- Electronic submittal-package creation, management and completion with visibility.
- Latest documents and history of all revisions stored centrally.
- History of all transmittal submissions to customer and client.
- Online PDF redlining and consolidation of comment files, client comments.
- Revision and Change Management.

Efficient monitoring

- Automating the 'S Curves' - Overall, Engineering, Procurement and Construction.
- Online Automated weekly and monthly progress reports to the client.
- Extensive project progress monitoring analysis that allows configurable as well as live reports and dashboards with accessibility for client.
- Integrated and accurate audit trails from project correspondence management.
- Online Project WBS showing plan vs actual and drill downs to show progress at each level of EPC.
- Online Workflows to capture the status as the work gets completed.
- Automation of Project Reports including S Curves and summary sheets required by Client for monthly invoicing.
- Notifications and alerts on delays.

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