



ProjecTools Case Study

Hull for Offshore Production Unit

The Contractor was selected by the asset owner to provide Engineering and Procurement services and deliver the Hull for a high-profile Gulf of Mexico Production Platform. The engagement began when the hull contractor won the aggressively scheduled contract. They understood that while they had the Engineering talent to deliver, they would need a system to manage the increased volume of documents. They also acknowledged that this was their first major procurement contract and needed consulting services and a system to standardize their procurement processes. By choosing to manage the engineering/design and procurement in ProjecTools cloud application, the Hull Contractor:

- Was able to define and implement a standard procurement process
- Created and issued consistent bid packages with suppliers submitting uniform bids for streamlined bid evaluation
- Integrated Engineering and Procurement to align technical and commercial teams
- Improved visibility into engineering/design and purchasing progress and status
- Used key integrations between Engineering, Documents, Procurement, and Quality surveillance to align technical, commercial, expeditors, and on-site inspection teams
- Integrated suppliers, subs, and clients into the purchasing, query, and document approval process

Functional Uses of ProjecTools People and Technology on this Project

Documents

The Hull Contractor needed a way to integrate their veteran engineering/design and document control teams, with the fledgling procurement team. ProjecTools Documents automated the document approval/revision control workflow and held the engineering team accountable for on schedule creation, review and approval of documents with automated notifications, look ahead and late action reporting. Easy access to documents approved for issue to bidders were then linked to the technical REQ with controlled revision updates that were live linked to the package through the RFQ phase and Purchase Order issue. This eliminated the need for confusing emails and phone conversations between Document Controllers, Engineers and Purchasers to ensure that the updated revision of each document was included in the bid package at each phase of the procurement life cycle, as well as at each the following phases (expediting, onsite QS inspection, etc.).

ProjecTools also allowed the EPC Contractor to receive Vendor Documents online and enforce automated approval processes for quick turnaround. The contractor was able to hold vendors and clients accountable throughout the vendor document lifecycle with automated workflow, notifications, look ahead and late action reporting.

Procurement

The Hull Contractor needed to implement a standard procurement process to enforce the business rules they agreed to as an organization. To do this, they employed ProjecTools consulting services and ProjecTools Procurement application.

ProjecTools centralized project information in its online application that empowered the procurement team and eliminated fragmented information and rework resulting from confusion. ProjecTools standardized procurement lists, templates, forms, terms, and workflows by purchase order category. These standards defined and enforced repeatable processes for each procurement package by type (e.g. Capital Equipment, Services, Bulks, etc.), allowing consistent procurement package development and processing - according to type within the application, and enforcing appropriate levels of detail and approval for each package.

ProjecTools Procurement allowed the EPC Contractor to issue standard bid packages to vendors online. Vendors processed and returned their bids online. The EPC contractor avoided completely the culture of reliance on emails with its inherent problems with tracking, clarity, and accountability. ProjecTools Request Response System (RRS) allowed buyers, vendors, and package engineers to communicate about specific technical or commercial items with each communication automatically logged to the proper package at each stage. ProjecTools RRS system allowed the EPC Contractor to deliver the complete query history for each hull PO within hours of the client requesting it. In contrast and at last report, their topsides counterpart was still searching email chains and telephone logs to somehow comply with the client request.

After issue of POs, ProjecTools helped the EPC contractor manage PO inspections, expediting, and receiving. The application provided onsite inspectors with the appropriate inspection sheets, correct revision of all related documents, and a method to submit inspection reports online.

Using ProjecTools, the newly conformed and highly professional purchasing team delivered on their first project and earned repeat business from the client.