



(Petroraq Engineering Services – Construction & Renovation)

PETRORAQ is an International Multidisciplinary Engineering & Construction Organization and has evolved as a leading company providing engineering consultancy, construction, procurement, project management services for both Architectural and Infrastructure projects involving multi disciplines such as community planning, building architecture, structural design, lighting, power distribution, HVAC, utility lines, mechanical, telecommunications, plant maintenance and support, environmental engineering including water & wastewater treatment, healthcare, construction supervision and project management.

With operations spanning architectural, infrastructure, and industrial domains, the company required an integrated system to manage complex projects, resources, and cross-functional workflows efficiently.

We implemented a comprehensive Odoo ERP solution tailored to PETRORAQ's engineering and construction operations.

PETRORAQ Engineering Services now operates on a fully integrated ERP platform, enabling efficient project delivery, better resource management, and data-driven decision-making across all its engineering and construction activities.

Project Overview:

PETRORAQ Engineering Services, an international multidisciplinary engineering and construction organization, delivers consultancy, procurement, and project management services across a wide range of sectors. With operations spanning architectural, infrastructure, and industrial domains, the company required an integrated system to manage complex projects, resources, and cross-functional workflows efficiently.

Business Requirements:

Centralized management of engineering and construction projects

Integration of consultancy, procurement, and project execution processes

Real-time tracking of project timelines, costs, and resource allocation

Document management for drawings, contracts, and technical reports

Coordination across multiple engineering disciplines (civil, electrical, mechanical, HVAC, telecom, etc.)

Procurement and vendor management system

Financial management including budgeting, invoicing, and cost control

HR and workforce management for technical and field staff

Advanced reporting and analytics for project performance and decision-making

Challenges:

Managing complex, multi-disciplinary projects with fragmented systems

Limited visibility into project costs, timelines, and resource utilization

Difficulty in coordinating between departments and project teams

Manual documentation and reporting leading to inefficiencies

Odoo ERP Solution Provided:

We implemented a comprehensive Odoo ERP solution tailored to PETRORAQ's engineering and construction operations, including:

Project Management: End-to-end planning, execution, and monitoring of projects

Procurement & Vendor Management: Streamlined purchasing and supplier coordination

Document Management: Centralized repository for engineering drawings, contracts, and reports

Accounting & Finance: Automated budgeting, invoicing, and financial tracking

HR & Workforce Management: Employee management, attendance, and payroll

Inventory Management: Tracking of materials, equipment, and site resources

CRM: Management of client relationships and project opportunities

Reporting & Dashboards: Real-time insights into project performance, costs, and operations

Outcome:

- Improved coordination across multidisciplinary teams

- Enhanced visibility into project progress and financial performance

- Streamlined procurement and documentation processes

- Reduced manual workload and increased operational efficiency

- Scalable system supporting international project operations

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