

# Why Engineering Lifecycle Management Application Important for Process Industries?

HONTREL  
TECHNOLOGIES



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## Navigating the Complexities of Process Industries:

In industries like water treatment, oil & gas, and chemical processing, the stakes are high. Projects often involve intricate designs, high safety standards, and strict regulatory compliance. Managing the entire lifecycle of an engineering project—from initial design through commissioning—can be overwhelming without the right tools in place.

### The Problem:

**Fragmented Project Management:** With multiple teams using different systems across various phases of a project, data often becomes fragmented, leading to miscommunication, rework, and delays.

- **Complex Data Management:** Process industries generate vast amounts of data, from initial design through commissioning. Ensuring that all this data is accessible, accurate, and up-to-date is a major challenge, particularly for large-scale projects.

- **Compliance with Stringent Regulations:** Meeting stringent industry standards is a critical part of any project in the process industries. However, tracking compliance manually or across disparate systems can lead to errors and non-compliance.

These issues lead to extended project timelines, higher costs, and increased risk, making it difficult for companies in process industries to maintain competitiveness.

### How It Solves Industry Challenges

Engineering Lifecycle Management application directly addresses the most pressing issues in process industries:

**Data Management Efficiency:** By unifying all project-related data in a single platform, the system eliminates the risk of fragmented information, reducing costly errors and ensuring accurate reporting.

**Improved Collaboration:** By providing a shared workspace for all project stakeholders, the system ensures smooth collaboration between teams, even across multiple geographies or disciplines. This results in faster decisions, less rework, and a more streamlined project lifecycle.

**Compliance Assurance:** The automated compliance tracking feature simplifies adherence to industry regulations, minimizing the risk of fines, delays, or shutdowns. Teams can focus on execution rather than worrying about missed compliance milestones.



## The Solution: Engineering Lifecycle Management Application. Why It Matters to You



Hontrel's Engineering Lifecycle Management (ELM) application is designed to tackle the unique complexities of process industries.

### Key Features:

#### Unified Material Data Management:

Centralized access to all project data, drawings, documents, and revisions in a single system, eliminating data silos and enhancing accuracy.

**Real-Time BOM Management:** Bill of Materials (BOM or BOQ), Materials, can be created, reused, revision controlled (track history) with multicurrency conversion based on market rates on date and costing break up for quotes.

#### Autogenerated Submittal Packages:

Automated with custom header & footer, long lead items list – like equipment list, valve list, instrument list and Quotes for proposals or products or for projects.

**Enabled CPQ Feature:** Our CPQ-enabled application empowers you to quickly and accurately quote RFQs, tenders, or bids, making the process fast and effortless.

**CAD Library Management:** With independent of the CAD Software used, Draw & manage 2D drawings like Piping & Instrumentation Diagram (P&ID), Process Flow Diagram (PFD), Single Line Diagram (SLD), Org Charts with customizable title blocks and control the revisions.

### Unlock the Future of Process Industry Projects:

Don't let complexity slow down your projects or expose you to unnecessary risks. Hontrel's Engineering Lifecycle Management application is designed to simplify and streamline engineering project management for process industries like water treatment, oil & gas, and chemical processing.

*Thank you for reading!*

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