Middle Eastern Oil Terminal Operating Company achieves Improved Productivity & Safety through Terminal Automation System

Terminals, a critical part of the Oil & Gas (O&G) marketing value chain, need a robust and secure technology solution to automate port operations, while minimizing execution costs. L&T Infotech's Integrated Terminal Automation System enables firms to centrally control their terminal operations, providing them with an 'at-a-glance view' into business processes.

Solution Modules

- **Load Rack Computer (LRC):** Provides detailed configurations and administrative modules for terminal operations.
- **Tank Truck Entry System (TTES):** Web-based application that handles card authorization/reauthorization, bay queuing and MIS report generation; used as an interface with the LRC module.
- **Operator Interface Console (OIC):** Uses HMI package to provide graphical user interface screens to control and monitor various plant automation activities like, pump and MOV operation, Tank loading activities, etc.
- **Tank Farm Management System (TFMS):** Enables users to monitor detailed tank farm data like level, volume, temperature, density, etc.
- **Terminal Documentation Module (TDM):** Serves as a gateway for information interchange between automation system (L&TAS,) and the owner's resource planning module like SAP.

Solution Features

- Open connectivity to other systems and ERPs
- One package for Gantry, Pump House & Tank Farm System
- User configurable addition of bays, product mix and metering
- Streaming video for terminal security
- Interface with multiple types of batch controllers and card readers
- Maintenance module for TAS equipment
- SMS and email alerts, formatted PDF/Excel reports.

Benefits

- **Improved operational efficiency:** Streamline terminal operations to boost business process efficiency; use automation to reduce manual error and shorten process timelines
- **Higher business agility:** Gain easy access to terminal information in real-time to make informed, data-driven business decisions; respond faster to changing business scenarios and process bottlenecks
- **Enhanced security:** Enable timely identification, notification and correction of security problems to proactively protect your assets
- **Reduced TCO:** Bring down the total cost of execution with automated terminal operations

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About L&T Infotech

L&T Infotech (NSE: LTI) is a global IT services and solutions provider with presence in 22 countries. We solve complex business challenges at the intersection of digital and physical world with our real-world expertise and extreme client centricity. We help clients create better customer experiences, transform processes and build new businesses.

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