

PETROLIMEX INFORMATION TECHNOLOGY &

PETROLIMEX INFORMATION TECHNOLOGY AND TELECOMMUNICATION JOINT STOCK COMPANY (PIACOM)

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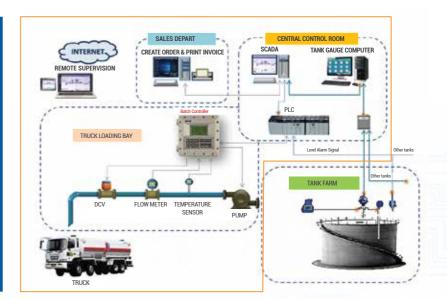
INTRODUCTION TO DEPOT AUTOMATION SOLUTION PIACOM_DAS

TELECOMMUNICATION JOINT-STOCK COMPANY (PIACOM)









Depot Automation System is a core application for petroleum terminal operations. The system automatically operates depending on preset volume to control amount of petroleum to be loaded to truck, ferry and wagon.

• Batch Controller technology is applied in the system to collect data from preset volume, current temperature, flow rate then control pump's motor and control valve to ensure accurate volume delivered in accordance with the preset volume.

SOLUTION

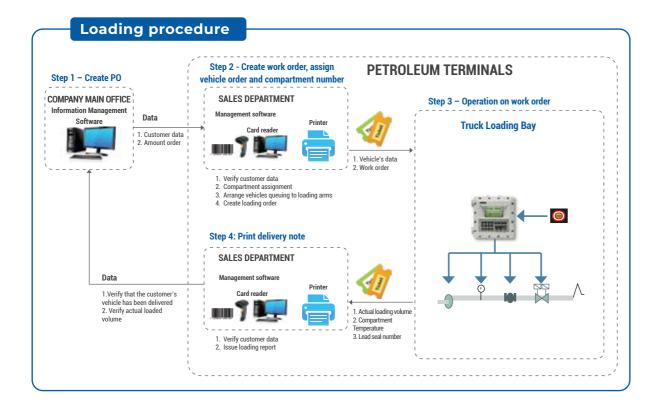
STRUCTURE

- Using simple and accurate operation procedure which is initiated from magnetic card/ work-order and well-integrated with the Management Information System (MIS).
- All parameters of loading process are supervised and displayed on SCADA computers.
- Safe conditions are controlled in loading process: Ground monitoring, overfill protection, emergency stop buttons.
- The system is designed with high provision to ensure continuous operation, minimizing the interruptions.
- Direct mixing of ethanol and gasoline is automatically controlled in the pipeline to create various biofuel products (E5, E10) in accordance with the preset ratio



CLIENT DEMANDS ARE FLEXIBLY SATISFIED BY PIACOM_DAS

- Allow customers to configure the image display for Home, Logo and Company/unit's information.
- Allow operator to preset expected volume
- -• Control final control element to deliver exact preset volume
- Collect data and calculate actual loading data (temperature, Vtt, V15, Kg, VCF, WCF)
- Provide real-time measurement data of a loading arm or group of loading arms of a terminal in the form visual table







- Centered management, real-time data, easy monitoring
- Easy and remote access for monitoring working data with high security
- Improved production performance, automatic control technology takes over manual operations
- Automatic control and accurate delivery via modern equipment certified with high reliability and safety from the world leading accreditation organizations
- Optimizing functions of instrument and process equipment (flow control valve, batch controller unit, flow meter, pump, etc.)

BENEFITS OF PIACOM_DAS

