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PGS INTERNATIONAL
Solutions™

| Terminal Automation System

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Terminal Automation is a process in which a Supervisory Software System (Terminal Automation System) automates certain manual processes in a terminal.

It is a flexible System, open to integration with the overall business, lab system and system for process control and monitoring systems (PLC and other automation equipment).

It bridges the gap between the Enterprise Resource Planning (ERP) and Supervisor Control and Data Acquisition (SCADA) systems or directly the controls (PLC).

This TAS controls activities and processes from vehicle entry into the terminal to vehicle exit.

Benefits

- Storage and distribution integrity.
- Engineering costs, time and risk are reduced.
- People, plant assets and the environment are all protected.
- Productivity is increased.
- Maintenance costs are reduced.
- Quality is improved.
- Operators are more effective.
- Trucks scheduling.
- Alarms are managed.

Terminal Automation System Product Movement

The terminal automation System automates every stage of product movement through a loading terminal :

Receipt, Inventory and Dispensing. It measures, records and reports all trans- fers and exchanges throughout the product movement.

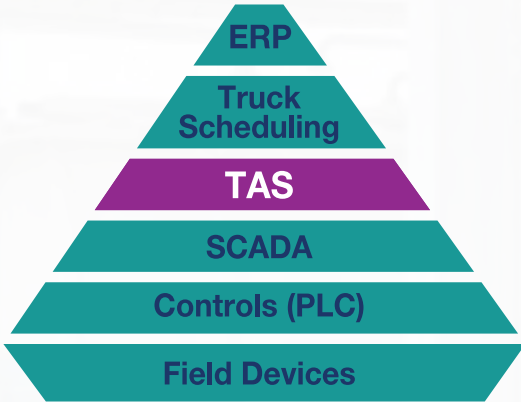
Hydrocarbons are transported from oil producers to refineries and gas processing plants. Bulk terminals receive hydrocarbons from refineries and other sources and distribute material through many different means. There's no need to maintain separate systems to handle each of these stages.

It automates all product handling at refined product and other bulk terminal.

The system monitors, controls and processes terminal level business through on-site interfaces to equipment like HMI displays, tank gauging systems, electronic presets, and smart injection systems.

Automation loading terminal

Terminal Automation System is designed to automate depot operations by managing the Flow from filling advice notice (FAN) printing to bill of lading (BOL) generation, from order entry to invoice delivery.



- Inventory
Physical • Book • Supplier
- Tank Farm
Transfers • Reconsignments
- Dispensing
Pipeline • Road • Marine • Rail
- Receiving
Pipeline • Road • Marine • Rail
- Access
Divers • Vehicle • Pedestrian



Terminal Automation Solution

	First Step	Standard Configuration	Optional Features
Automate the loading racks	<input checked="" type="checkbox"/>		
Integrate all the terminal data in one Database		<input checked="" type="checkbox"/>	
Modify and Control:		<input checked="" type="checkbox"/>	
Operate to International Standard		<input checked="" type="checkbox"/>	
Fuels Business Transaction Accounting		<input checked="" type="checkbox"/>	
Standard Documentation		<input checked="" type="checkbox"/>	
Control your bulk Account		<input checked="" type="checkbox"/>	
Additive Injection		<input checked="" type="checkbox"/>	
Automate the Entry/Exit Terminal			<input checked="" type="checkbox"/>
Connect to facility's control			<input checked="" type="checkbox"/>
Create TAS Network			<input checked="" type="checkbox"/>
Reporting Services			<input checked="" type="checkbox"/>
ATG System			<input checked="" type="checkbox"/>
Trucks scheduling			<input checked="" type="checkbox"/>
SCADA Interfaces			<input checked="" type="checkbox"/>