

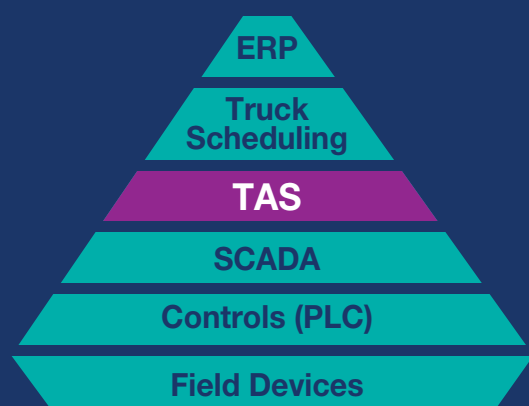


Terminal Automation is a process in which a Supervisory Software System (Terminal Automation System) automates certain manual processes in a terminal. It is a flexible System, open to integration with the overall business, lab system and system for process control and monitoring systems (PLC and other automation equipment). It bridges the gap between the Enterprise Resource Planning (ERP) and Supervisory 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

- 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 Capabilities

- Terminal Security
- Loading Sequence Control
- Inventory Management
- Load Rack Equipment Control
- Stock Balancing
- Electronic Data Interchange
- Order Management
- Customized Reporting
- Allocation Management
- Transactions Storage

Automating the entire 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 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 transfers 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.



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"/>

PGS TUNISIA

✉ Rue des Usines, ZI Khaireddine
2060 El Kram - Tunisie

☎ +216 70 018 140
☎ +216 71 182 638

PGS MOROCCO

✉ 4, Lot. de La Colline 1, Entrée A, 1^{er} Etg.
Sidi Maârouf. Casablanca 20270 - Maroc

☎ +212 5 22 786 920
☎ +212 5 22 786 133

PGS International GmbH

✉ Wieblinger Str. 6A,
68775 Ketsch, Germany

☎ +49 (0)6202 6650013
☎ +49 (0)6202 6650013