PGS INTERNATIONAL
olutions™ | Terminal Automation System

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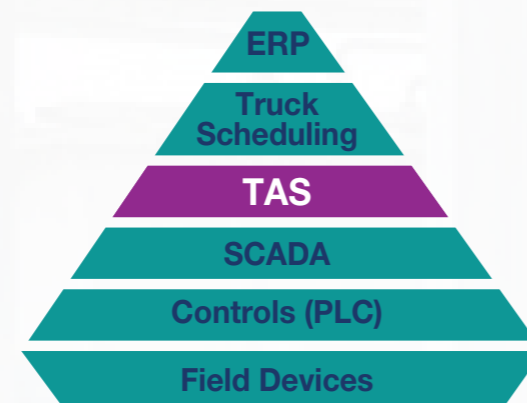
Hydrocarbons are transported from oil producers to refineries and gas processing plants. Bulk terminals receive hydrocarbons from refineries and other sources and distribute material through many different means. There's no need to maintain separate systems to handle each of these stages.

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

Recieving
Pipeline • Road • Marine • Rail

Access
Divers • Vehicle • Pedestrian

| ERP |
| Truck Scheduling |
| TAS |
| SCADA |
| Controls (PLC) |
| Field Devices |

Terminal Automation Solution

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

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UKAS
QUALITY
MANAGEMENT
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