



**Industrial Automation Partners**  
Turning ideas into solutions

Industrial Automation Partners

Terminal  
Suite



Industrial Automation Partners is an independent supplier of industrial automation solutions. Our services stretch from consultancy up to full automation solutions. Many years of experience in process control is the base of a flexible team providing interesting solutions for your company.

### Terminal control

For the control of your terminal IAP can supply different technologies. Dependent of the points of departure IAP will propose the "best fit" solution. In case of revamping and expansions the flexibility of IAP with reference to the technology applied is of value add.

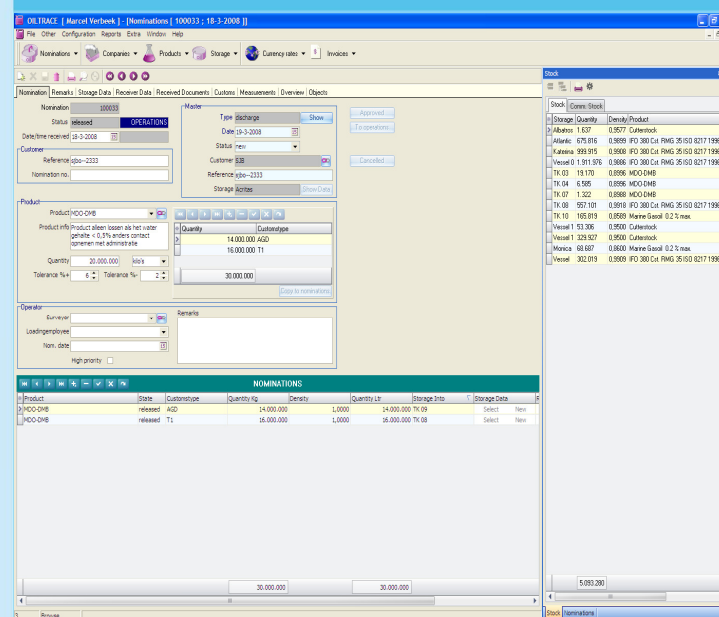
IAP is a certified partner of ABB automation, GE-Fanuc and Siemens for the supply of their process control technologies.

## Industrial Automation Partners

Industrial Automation Partners (IAP) supplies a total solution for the control, logistical and administrative processing of your terminal operations.

Apart from the standard solutions being supplied the knowledge and experience is very important. With many years of experience in terminal automation, our company provides you with a clear view of your processes and applicable related information flows.

IAP supplies the knowledge and experience in the area of terminal control, logistical- and administrative processing and customs declaration.



### IAP

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## Terminal Suite

**Terminal Manager**  
Order planning and processing  
Ship-, truck, railway car, tank-tank  
and inline blend operations  
Product administration  
Operation administration and  
invoicing  
Customs admin. and declaration  
Nomination processing  
Integration with:  
- Tank Gauging  
- Terminal Control  
- Weighing bridge  
- Flow metering

**Terminal Control**  
Terminal control and visualization  
Line-up  
Blending  
Control templates

Industrial Automation Partners (IAP) offers a fully integrated solution from terminal control up to administrative (ERP) processing of product movements and activities.

Tracking & tracing and administrative reporting according to the customs and customer requirements is a complex process for storage, import & export of bulk liquids.

For ship handling the time registration is essential to prevent claims due to waiting time.

Based on the amount of product movements on a terminal site, and the responsibility of the terminal, dictated by the government, it is essential to

have an appropriate planning and registration of activities and product movements. Specifically terminals under customs regulations are confronted with extended responsibility and reporting requirements of their product movements. Customs demands an electronic registration including traceability of the underlying information.

Terminal Manager offers extended functionality for planning, processing, recording and reporting of data related to product movements and activities helping you to reduce risks and costs.



## Terminal management

### Introduction:

Time is money.... For sure this is applicable for the transport market and storage and transshipment companies. For storage of customs related products the registration of the stored goods and movements, related to the orders is essential. Also planning and executing the ship (un-) loading process requires special attention.

### Arguments:

An integrated solution for terminal control, logistical and administrative processing provides the following advantages:

- ✓ ERP functionality related to stock management, customs and (lease holder) reporting is included
- ✓ ERP integration not required
- ✓ Structured control/checks related to deliveries
- ✓ Reduction of operational personnel and as such operational costs
- ✓ Product responsibility, the delivery of "documented evidence"
- ✓ Prevent claims due to ship waiting time
- ✓ Traceability of product movements
- ✓ Improvement of communication between customer (internal/external) and terminal operations
- ✓ Reduction of tuning/agreement costs
- ✓ Quick administrative accounting for invoicing and customs declaration
- ✓ Structured reporting.

The IAP solution is based on:

- ✓ Consultancy control, logistics and administrative processes
- ✓ Project management
- ✓ Terminal control System
- ✓ Terminal Manager:
  - Order (nomination) handling
  - Order receipt, planning and invoicing
  - Customs declaration and reporting
  - Stock management, incl. customs declaration
  - Real-time administrative stock.



## Terminal Suite

*Integrated planning, order receipt, administrative processing and reporting provides value add to terminal operators.*

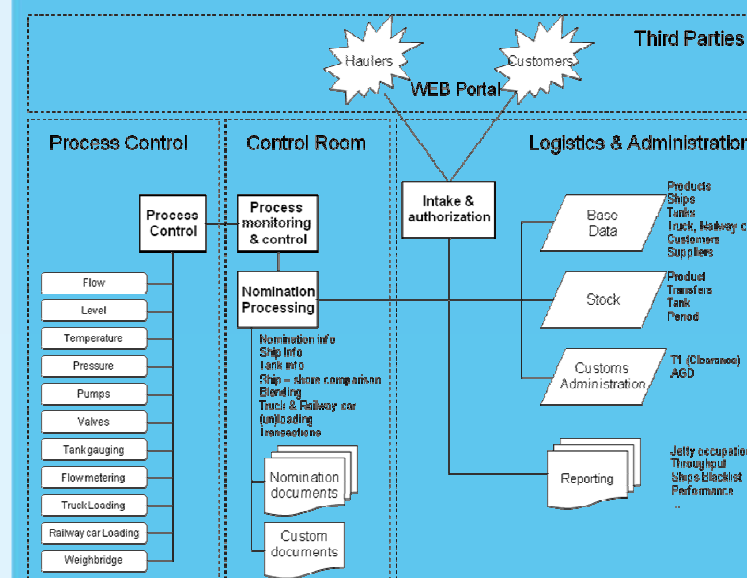
Terminal Suite by IAP supports the terminal personnel with all administrative steps for product movements and operations at a terminal, integrated into a smart and flexible system.

It supports the administrative activities at the terminal, from order receipt, order planning, loading/unloading up to the financial settlement, customs declaration, administrative stock control, stock reporting, lease holder reporting, management reporting, document handling and invoicing. The system provides you at each moment of time the applicable data. Actual and appropriate data is the base for good decision-making. In dept notion of the actual operations supports better operation and higher efficiency.

provides a complete solution for the announcing, planning, processing and recording of nominations such as Ship loading/unloading, Ship-ship, truck and railway car loading/unloading, tank-tank and blending. It also supports instruction planning and registration such as tank heating, mixing, N2 and demi water delivery. The activities, measurements (tank-gauging system, flow metering and weighing bridge) and different nomination statuses are being recorded.

The following functions are available:

- ✓ Order (nomination) intake (Web based) and processing
- ✓ Transporter company and truck / railway car data registration
- ✓ Nomination planning/overview
- ✓ Administrative stock management for customs and leaseholder registration/reporting supporting multiple leaseholders per tank
- ✓ Stock- and nomination status reporting to leaseholders (web based)
- ✓ Loading plan creation for truck and railway cars (touch screen)
- ✓ Time sheet and logging
- ✓ Historical logging and reporting of tank data
- ✓ Tank release en density data entry
- ✓ Registration of ship and tank data measurements
- ✓ Operational reporting
- ✓ Generation of ship, truck and railway car transport and customs documents such as AGD, T1 and CMR documents.
- ✓ Invoicing
- ✓ Interfaces with systems such as tank gauging, weight bridges, badge readers, flow meters, traffic lights and local operator displays.



For logistical processing at the terminal the Terminal Manager