Process Solutions

Honeywell

OptiVision: Logistics services and E-Terminal

Honeywell's automated E-terminal solution cuts the administrative burden and streamlines traffic in the site for a more efficient, reliable approach to controlling site access, loading, logistics and document processing

Challenges

Loading and shipping operations present industries with a significant administrative and logistical challenge. Traditionally a manual procedure, substantial resources are required to verify and process drivers arriving at the industry, ensure they are directed to the correct loading bay, coordinate traffic, troubleshoot, and process the necessary road, customs and overseas documents.

Logistical problems, language barriers and substantial scope for human error abound. The result is, increased waiting times and more congested site.

Solution

Honeywell's e-Terminal Solution automates and streamlines the loading process from arrival through document printout and exit. It dramatically cuts the administrative burden, removes the potential for human error and cuts the cost of processing each load. This means less waiting, less congestion and less time at the site for a more efficient operation.

Self service kiosks at registration, scale, shipping and exit points are the backbone of the system.

Registration / Fingerprint

The kiosks use touchscreens and on-screen keyboards, along with images, fingerprint scanners and temperature and humidity measures. Centralized Support Staff provide real-time assistance on the kiosks.

Registration/ Language Selection

They can be reached on the click of a button in E- Terminal application and the call is routed voice over IP

Features

The software is designed for ease of use, with a highly intuitive interface for drivers. Drivers can choose from 13 languages and access onscreen help.

Arrival

When the truck arrives at the industry gate, the driver is allowed to select his language on the kiosk. The onscreen steps prompts him to scan or enter the LoadID and scan his fingerprint, which is then automatically associated with the LoadID for subsequent kiosks transactions. Onscreen user friendly messages are displayed which are fully customizable.

The driver can view and validate the LoadPlan. The software automatically ensures the bay will be available for the allotted timeslot.

Only upon completion of these steps is the truck released to the parking area. An onscreen message tells drivers to wait, until their registration automatically captured by the system appears on the screen with annunciation. When it does so, the driver proceeds to the next kiosk and continues to follow onscreen instructions.
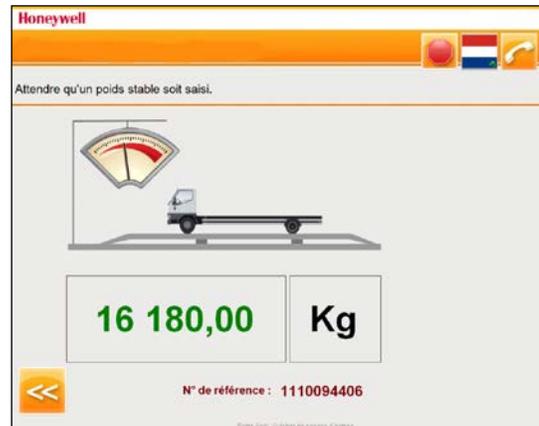
Loading

At the outset the system can be programmed to ensure all drivers and their destinations are verified before entry to the plant is even allowed. Once admitted, vehicles will be parked in the waiting area until the system establishes that a few preconditions are met as below:

- The load is planned, has a timeslot and freight assigned
- The number of trucks on the site does not exceed the permitted number
- The minimum inventory for the consignment is available
- Loading doors near the inventory is free

Once these conditions are met, vehicles are granted permission to enter the site for the given load method.

Scale

Trucks proceeding to loading will be weighed at the scale kiosk. Drivers scan their finger prints (now associated with their Load ID) the system will display, record and associate the vehicle's stable weight with the Load ID and display the appropriate warehouse sign and loading door assigned, to which the vehicle can then proceed. The system automatically opens the gate and displays the Vehicle registration above the loading door.

Scale/ Read stable weight

At the warehouse, a clamp truck is automatically assigned to a load. Trucks are inspected before physical loading commences. A clamp truck mounted computer helps scanning and loading of goods on to the truck. Users can optionally enter the finishing material, seals and remarks with shipping transactions complying Honeywell's OptiVision solution (Shipping and invoicing).

Shipping

After loading, trucks proceed to the shipping kiosk. The Kiosk application scans fingerprints and displays load information. It also allows entery of sub-carrier data and requests a digital signature. Once these are provided, all required documents are printed here.

Documents include the manifest, CMR, Proforma Invoice and customs documents (has a provision for B2B transfer with customs department). The process is completed in just a few minutes.

eTerminal : carrier or subcarrier

Benefits

Effective logistics management is essential to firms' competitiveness. Honeywell's e-Terminal solution automates the loading operation to significantly reduce the administrative burden, increase productivity, streamline site traffic avoiding congestion and demmurages.

The result is significant savings, with sites able to increase shipment capacity, while reducing manual processing.

E-Terminal assures:

- Significant reduction in truck waiting time
- Friendly screens for quick operations
- Instant transportation document printing
- Seamless interface to business systems
- Increase in staff productivity

Support Services

E-terminal comes with worldwide, premium support services through our Benefits Guardianship Program (BGP). Helping improve and extend the benefits applications deliver, BGP safeguards your software investment.

For More Information
Learn more about how Honeywell's E-Terminal can improve plant operation, visit our website www.honeywellprocess.com/software or contact your Honeywell account manager.

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