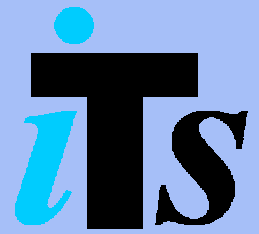




# PRODUCT DATA SHEET



The ITS Automatic Vehicle Identification system (AVID) is designed to identify trucks and other mobile equipment allowing automated transaction processing to optimise site entry processing and authorisation, load identification, and correct trailer load / unload confirmation.



Congestion at distribution hubs and late arrivals from depots is a major source of site under performance. ITS can implement systems that will

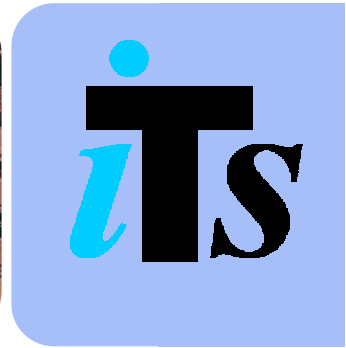
- Speed up the gate booking in system.
- Automatically identify that the chassis is the correct one before you load.
- Identify which loads are queuing at the gate to allow you to prioritise them.
- Identify when the load left the depot and accurately predict when it will arrive at the hub.

Using low cost RFID ITS can automatically and uniquely identify the entire fleet at critical stages of the operation. Typically when arriving at the gate trailers can be identified and pulled forward to the front of the queue if urgently required. When at the physical gate trailers can be automatically identified and processed reducing gate waiting time. Trailers can be identified instantly, uniquely and automatically on the loading docks when they dock. With out-bound trailers being automatically accurately booked off site a full audit trail can be achieved including the accurate prediction of hub arrival times. Full visibility across multiple sites can be realised for tracking, load availability, site dwell times and much more without the need for human input.



Contact us:  
Ph +44 (0)1509 236555  
[www.TerminalSolutions.co.uk](http://www.TerminalSolutions.co.uk)  
[portautomation@terminalsolutions.co.uk](mailto:portautomation@terminalsolutions.co.uk)



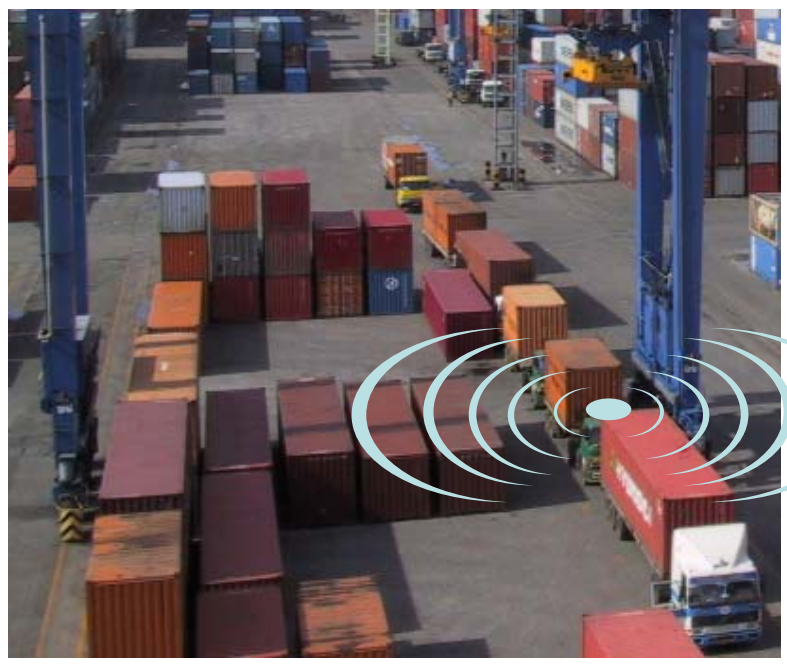


**CONTAINER  
TERMINAL  
OPERATION**

**KEY OPERATIONAL BENEFITS:**

- Container moves are automatically identified.
- Operators presented with the actual move.
- Operators automatically warned if the attempted move is wrong.
- System physically stops any move that is not correct.
- The yard plan is followed reducing double handling and increasing density optimisation.

**“DESIGNED FOR REAL WORLD OPERATIONS”**  
 In the real world even when the container and move locations are automatically and positively identified, that still doesn't guarantee the container will be correctly grounded. Sometimes the truck may be in the wrong place or the handling equipment operator may try to place a container in the wrong grounding position or pick up the wrong container.



**“ENSURE PLANNED AND ACTUAL ARE THE SAME”**  
 In order to ensure the actual yard operation follows the plan The AVID system identifies the truck ID and warns the handling equipment operator if the move is not correct. If he continues to attempt to execute this move, or place the container in the wrong position the system will identify and automatically report this. The system can also be set to lockout twistlock operation preventing the invalid move being executed if required.

**CONTAINER TERMINAL OPTIMISATION**  
 To achieve optimal yard density and use of equipment the ship discharge should be planned with the next operation in mind. However planning is one thing, making sure the plan is followed is a completely separate matter.  
 Automatic Vehicle ID system (AVID) identifies the container truck and automatically present the exact container and move details to the equipment operator. The AVID system can also be installed with a twistlock interlock to prevent incorrect or unauthorised container movements.

# RFID

Issued by:  
 International Terminal Solutions Ltd  
 6 Loughborough Technology Centre  
 Epinal Way  
 Loughborough  
 LE11 3GE  
 United Kingdom

