Process Optimisation Applications

Seaports

PURELINK™
Locate to simplify
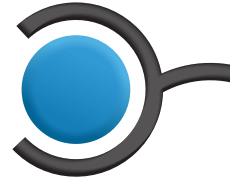
Seaports

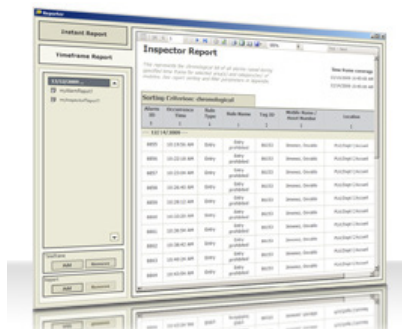**"I cannot store my container, because my allocation is already occupied"**

In seaports, optimization and process compliance of millions of containers a year is a must. A common problem is the difficulty to locate with certainty the location of the containers in the port. One source of the problem is that thousands of containers are packed by hundreds of employees, contractors and truck drivers not necessarily at designated locations, but rather where they can and sometimes when they want.
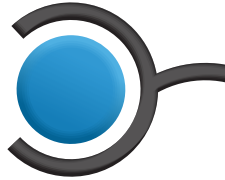
Generally, truck drivers receive an allocation unit to park containers and chassis. However, this allocation unit may be already occupied, inaccessible or simply difficult to locate. These accumulated errors here and there give rise to loss of time and considerable financial losses.

New Security protocols require some marine terminals to reinforce and track truck drivers to their containers until they leave the terminal. Maintaining constant surveillance to prevent tampering of containers and trailers, while collecting data on their movements has become a new challenge for port security. The increased volume of containers, added to new regulations make these issues even more complex.

Locate drivers and container to remove mistakes in your process

Purelink's location products integrated with the port electronic information system can help. At the gates, truck drivers receive a unique identification badge and a tag with a magnetic fixture that is associated to the containers. Truck drivers receive a designated unit allocation to unload or load his/her container. The system compares and validates the actual location of the container with provided "allocation areas" to detect lost or misplaced containers. This information is shared with the port's information system and top pick cranes for handling and loading operations. Finally, when leaving the port, the drivers hand in their badges and tags to the gate operators.

Benefits

Purelink products simplify the traceability in seaport operations. They provide arrival and departure time, confirm allocation unit, and locate misplaced containers. Additionally they deliver container collection date, processing status and a range of valuable historical data. Location information allows fast reconciliation of trucks, drivers, containers and bomb-carts to facilitate security audits.

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