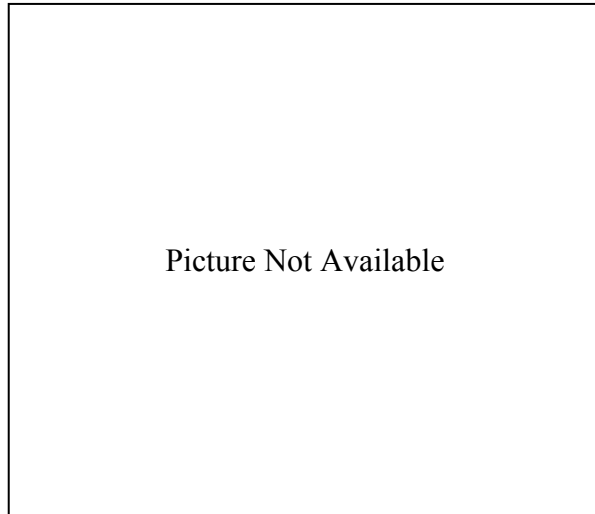


## **Best Practice: Automated Cargo Handling System**



**Category:** Access Control

**Location:** CERES Amsterdam Marine Terminal – Port of Amsterdam, Netherlands

**Date Observed:** November 29, 2006

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**Description:** The CERES Amsterdam Marine Terminal operates a fully automated cargo container pick up or drop off system. This system includes a series of stages and portals, which allow movement of the driver, truck, and cargo through the restricted facility. The system also limits possible threats and reduces the need for additional security personnel.

**Discussion:** Trucks do not enter the container yard. Unmanned robotic cranes pick up and deliver containers to awaiting trucks. Trucks park at a staging area to receive or delivery containers. Concrete barriers separate the truck staging area and the container yard. The automated cargo container pick up and drop off system allows truck operators to move through a series of stages within the terminal.

**Potential Down-side:** None.

**Conclusion:** The fully automated cargo container pick up and drop off system provides an effective and efficient means to track the movement of truck operators and cargo within the terminal. This system enhances cargo security at a facility that handles approximately 1,250,000 TEUs per year.

**Cost:** Costs associated with installation and implementation of the fully automated cargo container pick up and drop off system.