# CERTUS
AUTOMATION

Accurate
Crane OCR

Capture every container detail

Container details are critical for your operations. CERTUS Crane OCR automatically captures every container detail during loading and discharge without any impact to optimal spreader flights or the need of any extra illumination. The sophisticated image capture and recognition system is installed directly on the crane and integrates with the TOS system to ensure all captured data is instantly available for terminal operators.

INCREASED ACCURACY, MINIMAL INTERVENTIONS

The main benefits

Primary benefits of Crane OCR include:
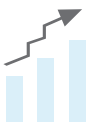
Improved Productivity: Through the elimination of data input and/or task confirmations thereby increasing the accuracy and velocity of the transactions resulting in higher throughput and improved container inventory accuracy. Operators can introduce error and are potentially prone to data entry errors.

Damage Archiving: Container conditions are stored for every transaction both inbound and outbound serving as proof for any future claim handlings.

Centralized Control: Using automatic capturing of checker information, one can go to an exception based operation, having central control.

Safer work environment: No physical inspections in the berth area, no clerks are required to acquire container positions in case of any stack errors, less clerks having to work under heavy equipment.
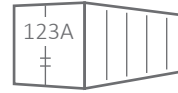
BECAUSE CERTAINTY IS MISSION CRITICAL
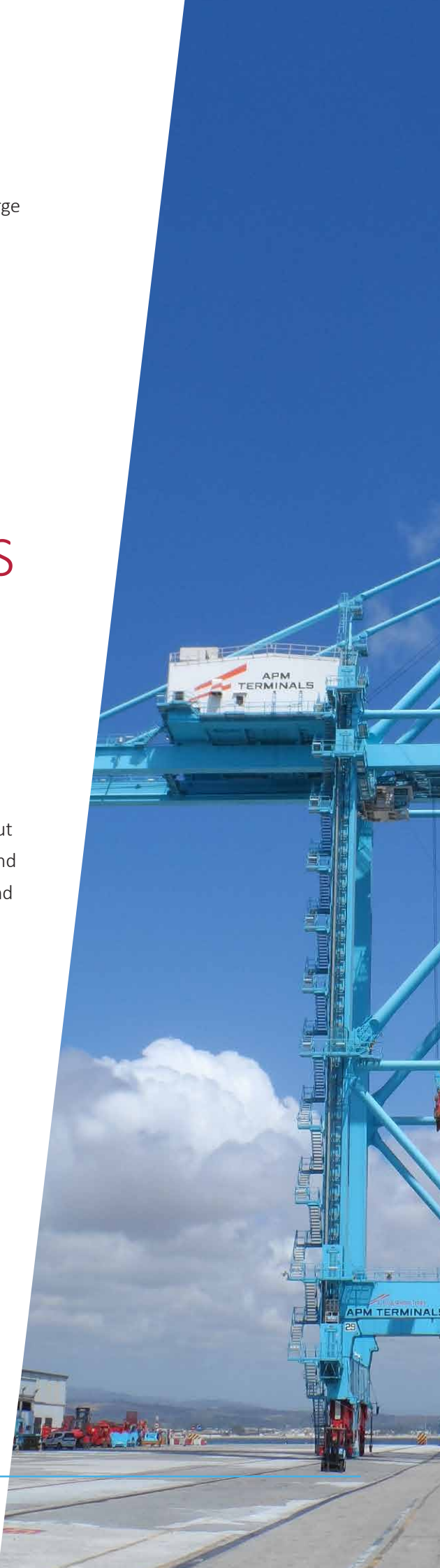
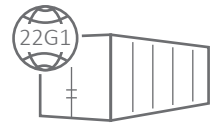# What does the system recognize?

Crane OCR by CERTUS can recognize nearly all container details being handled by the STS Cranes.

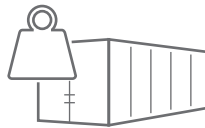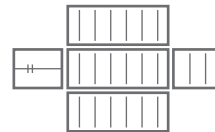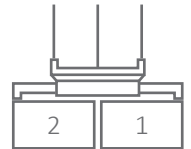**TERMINAL TRACTOR ROOF TOP NUMBER**
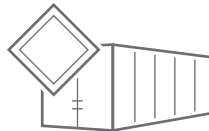
CONTAINER CODE (Sea Shipping)

ISO CODE

WEIGHT RECOGNITION (Max Gross, Tare, Net)

5 SIDE DAMAGE IMAGES

CONTAINER SEQUENCE

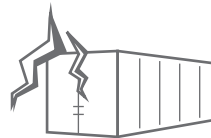**HAZARDOUS PLACARD PRESENCE**

HAZARDOUS PLACARD CLASS
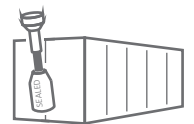
SEAL PRESENCE
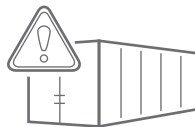
HEAVY LOAD INDICATOR

DAMAGE ALARM

DOOR DIRECTION

How to use Crane OCR to optimize operations

With Crane OCR systems in place, clerks (aka checkers) that were previously responsible over the transaction validation can be positioned within the control room instead of under the ship to shore crane.

The centralized checker(s) would be responsible for monitoring any exceptions in the Crane Exception Control software that become real-time visible during the operation. One clerk can be responsible over multiple cranes. The Crane OCR automatically confirms the load or discharge transaction including confirming the handshake with the Equipment ID of the horizontal transport.

Our Customers

CERTUS customers include many of the major terminal operators, logistic- and distribution center operators, depots, intermodal terminals and port authorities. Some key figures on our installed base: over 50 customers worldwide, over 40 ports and 20 logistic facilities worldwide, in over 29 countries.

HUTCHISONPORTS   APM TERMINALS   TRUCKPARKING ROTTERDAM 365   DP WORLD   NEWCOLD ADVANCED COLD LOGISTICS

Kramer Group   DSV   Port of Rotterdam   ABU DHABI TERMINALS

MAHER TERMINALS   GEORGIA PORTS

About CERTUS

CERTUS Automation is a world leader in the fields of OCR and machine vision software for port- & logistics process automation. Our global headquarters including back office, workshops, warehousing and logistics center is located near the Port of Rotterdam in the Netherlands. The Company benefits from the contribution of over 70 employees globally, most of which serve in the development, manufacturing and integration areas.

CERTUS is an internationally operating company, executing projects around the globe. The network of CERTUS offices, local representative partners and a 24/7/365 Support Desk with experienced hardware and software engineers are there to support after go-live. At CERTUS we strongly believe that our industry quality standards make a significant difference. CERTUS is ISO 9001 certified. Our knowledge and experience make us an reliable partner for all automation projects.

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