

# VISY TOPVIEW

## Compact OCR camera system for spreaders

Visy TopView is a spreader OCR system that automatically identifies container IDs while containers are being handled by a container handling equipment. The system is compatible with every CHE type and brand, transforming any spreader into a smart device.

Recognition of attributes and lift types



Container ID



Container condition



Hatch covers



Twin-twenty lifts

## Smart implementation

All Visy TopView equipment is directly installed on the spreaders, including cameras and illuminators. Intelligent container OCR software achieves high recognition rates of up to 99.5%, thus verifying that each movement of cargo is recorded and goes as planned. The system is a reliable partner for terminal operators in container handling, as it captures data in real time and smoothly exchanges it with the TOS.

All equipment is directly installed on the spreaders



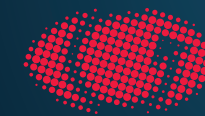
Visy's container OCR software validates results from the captured images to achieve high recognition rates even with damaged ID markings



Visy ADDS detects damage from captured roof images



Visy is a Finnish technology company founded in 1994, specializing in vision technology applications and gate automation. The company is a pioneer in optical character recognition (OCR), applied AI, and deep learning for camera-based automation solutions for container ports, intermodal terminals, and industrial facilities.



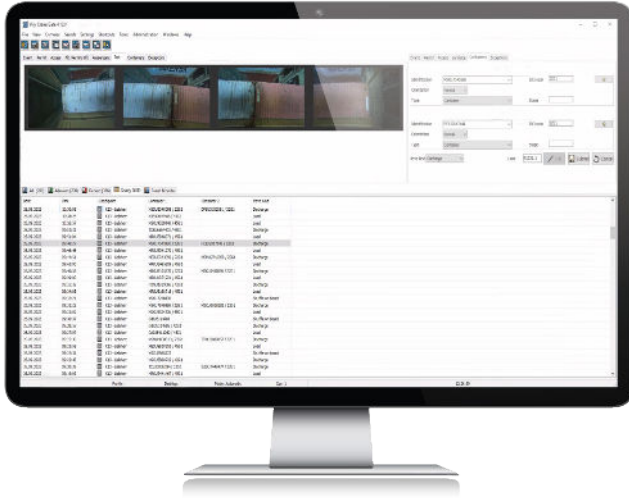
VISY

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## Seamless integration to 3rd party systems

The captured information and images are available in the Visy Crane Gate user interface and exchanged with the terminal operating system. If the systems notice differences in information between the pre-announced details and the gathered data, the images can be retrospectively accessed to verify if exception handling is needed.



Visy Crane Gate user interface shows all events and images for reviewing and editing

### Visy TopView recognition process



Camera system captures images of container roofs



The system creates OCR events for all determined cases such as container lifts, OOG cargo lifts, and hatch cover moves



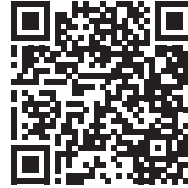
The captured data is exchanged with the TOS and brought to the Visy Crane Gate user interface

## Increase accuracy of operations

With Visy TopView, no container is being stacked or loaded to wrong location regardless of whether the operation commences over vessel, truck, train, or yard. The system increases accuracy of operations by giving alerts when containers are not found in a work-order. When each container move is confirmed with Visy TopView, container handling procedures become more visible and accurate, which brings reliability to overall operations.



Read a customer case study about APM Terminals Gothenburg, Sweden to learn how they are enhancing operations with the help of Visy TopView



# VISY

## VISY TOPVIEW

Enhance visibility in container handling with spreader OCR

Expand your vision