VISY

VISY RMG/RTG OCR

Automatic recognition of container IDs and markings

EVOLVING AUTOMATION ECOSYSTEMS

Expand your vision

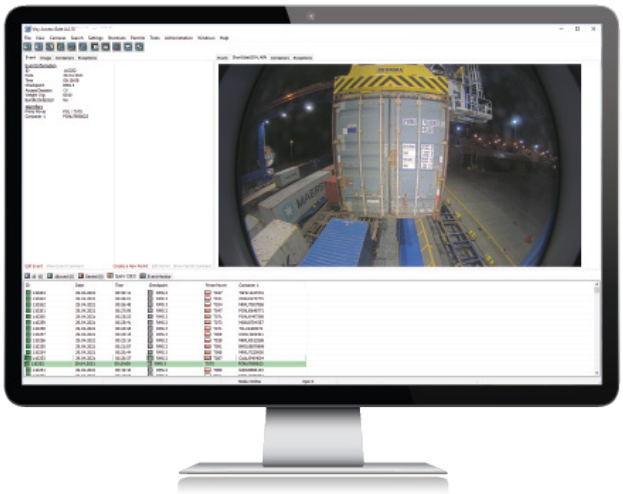
Visy RMG/RTG OCR recognizes every container being handled by crane.

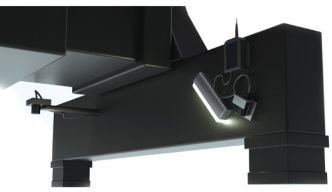
Increased container handling efficiency and reliability

Visy RMG OCR images and identifies containers while they are being handled by RMG/RTG cranes. The solution automatically acquires container IDs, damage inspection images, and location information as containers are moved at rail interchange areas. Visy RMG/RTG OCR provides a fast and cost-efficient way to automate container handling operations.

- **Increases throughput capacity**
- **Clears liabilities for damaged containers**
- **Enhances accuracy and safety**

Workstation and web applications for access control, and traffic event management.



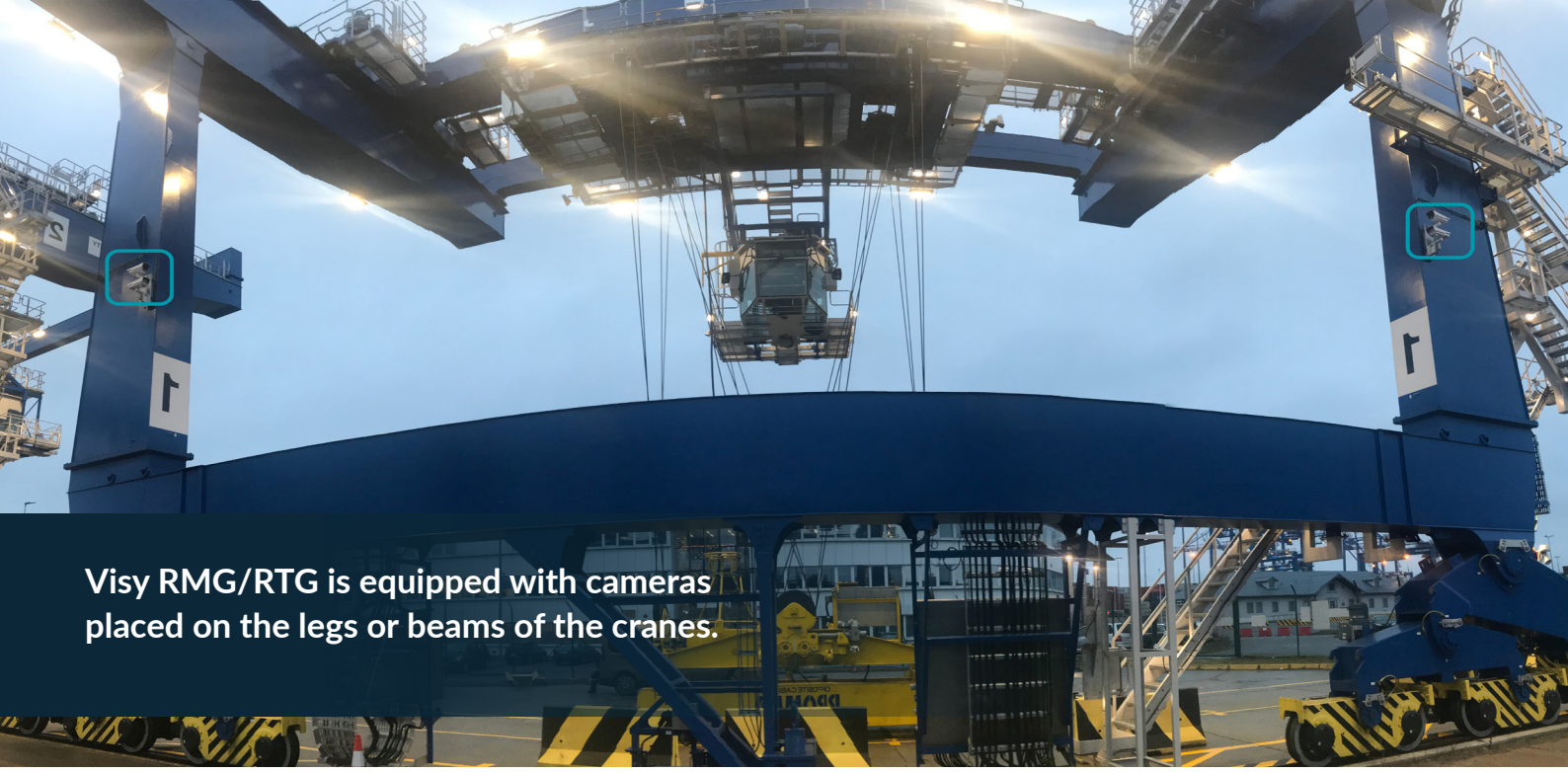


Smart implementation

Visy RMG OCR utilizes a similar setup to a traditional OCR portal in which the crane itself becomes the portal structure. The solution is equipped with cameras placed on the legs or beams of the cranes and Visy IRIS software manages the image acquisition, OCR results, and data sharing to third party systems such as TOS.

To get the full advance of automating RMG /RTG cranes, the system can be equipped with Visy's spreader OCR TopView to get a comprehensive record of container condition. The spreader system consists of robust cameras installed in the middle and both ends of spreaders with efficient illuminators to recognize and capture high-quality images regardless of the time of day or environmental condition. TopView is a match with all RMG spreaders regardless of size or type and can be installed at the OEM for new equipment, or onsite as a retrofit.

Copyright ©2021 Visy Oy



Visy RMG/RTG is equipped with cameras placed on the legs or beams of the cranes.

Visy TTView

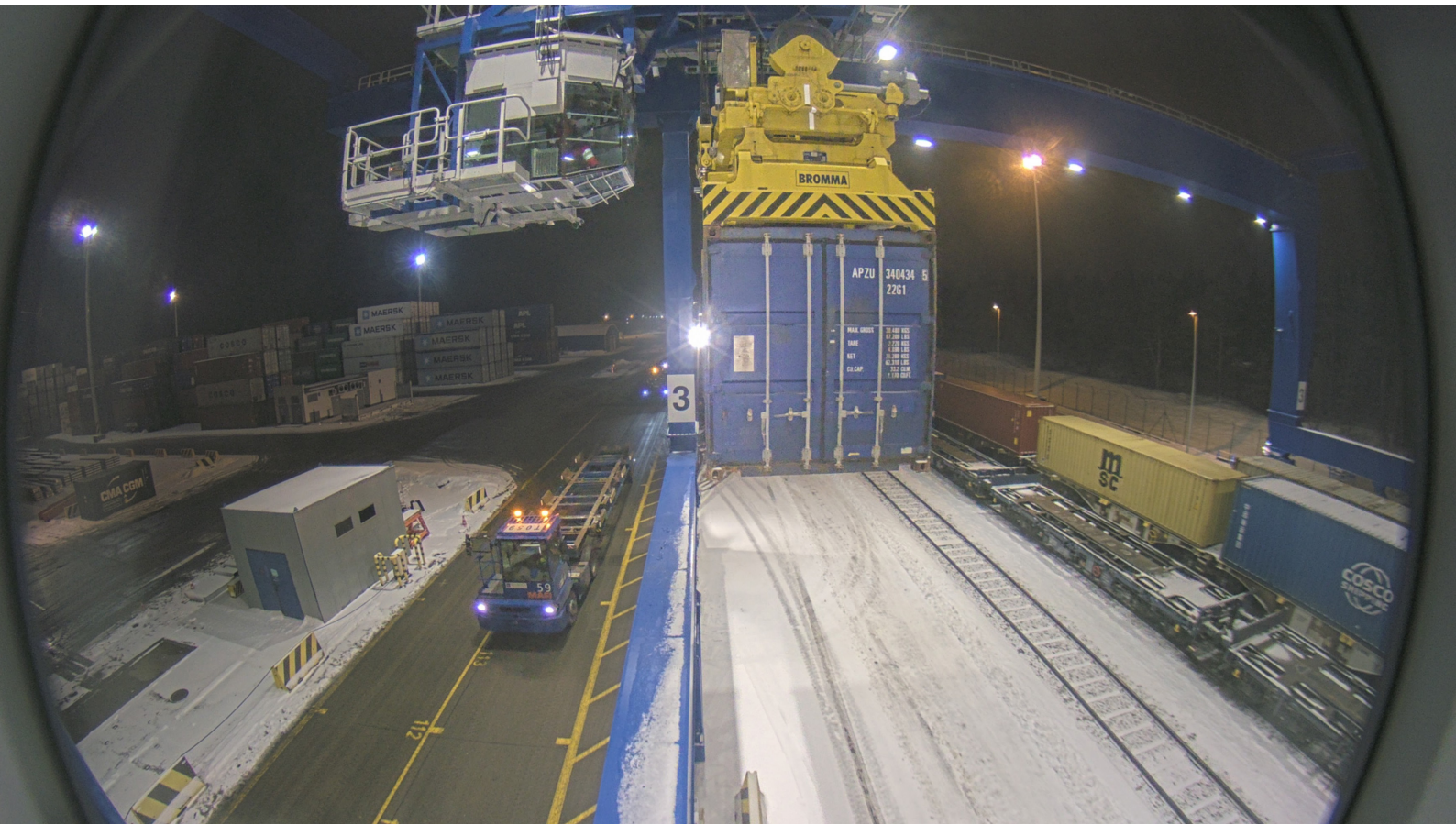
TTView recognizes ID numbers and other roof markings of terminal tractors to automatically link the container handling equipment to the lifting events and tasks. High-resolution cameras with strong infrared pulse are installed on the crane trolleys to capture images of the TT roofs. Matching the terminal tractors instantly with the on-going lifting tasks enables effortless tracking of cargo. In addition to OCR cameras, RFID (radio-frequency identification) devices can be combined to the TTView solution.

Matching the terminal tractors instantly with the on-going lifting tasks enables effortless tracking of cargo.

Copyright ©2021 Visy Oy

Features

- Automatic recognition of container IDs, ISO codes, IMO labels, door direction, seal presence, gross weight, number and position of containers in twin and tandem lifts, operation type (discharge/load)
- Terminal tractor identification features with both OCR and RFID
- Visy TopView - spreader OCR application for container code recognition and container roof imaging
- TTView recognizes ID numbers and other roof markings of terminal tractors to automatically link the container handling equipment to the lifting events and tasks
- High-quality images from all sides
- Interfacing with PLC enables recognition and imaging regardless of lifting position or flying path
- Extensive data exchange and smooth interface with third-party systems (TOS, POS, ERP)
- Customizable user applications



Increase STS Gross Moves per Hour by up to

50%

Accuracy for container handling

Turn data into knowledge

Globally local support

We deliver versatile automation solutions to create comprehensive identification and access control ecosystems. Our product & solution selection for ports and terminals is wide to match the diversity of our customers' requirements and preferences, and to cover every part of the terminal where identification or tracking of containers, vehicles, and cargo is needed.

Automated access control and container identification in every turn ensures a smooth traffic flow and increases profits through enhanced operational efficiency. Our global high-quality partner network minimizes reaction time and our experience of three decades in the port and terminal industry guarantees top-class solutions and support worldwide.

Implementation & delivery of our solutions is reliable without exception. With our professional project management and skilled team, we deliver customized and demanding solutions designed to achieve the highest possible advantages of process automation.

Copyright ©2021 Visy Oy

About us

Visy is a pioneer in optical character recognition (OCR), applied AI, and deep learning for camera-based automation and access control solutions. Our expertise is based on over 25 years of experience in research and development of industry-leading technologies, and we have established a strong position as one of the top global vendors in gate automation and OCR solutions.

5 000 000+ RECOGNITION EVENTS EACH DAY

500+ FACILITIES AUTOMATED

25+ COUNTRIES

INNOVATING SINCE 1994

OVER 1,000,000,000 IDENTIFICATION EVENTS

25 YEARS OF DEVELOPING AI AND OCR TECHNOLOGIES

Copyright ©2021 Visy Oy

Visy Oy
Hatanpään valtatie 34 D 3rd Floor
33100 Tampere, Finland
Tel. +358 3 211 0403
VAT ID: FI09739717

www.visy.fi
sales@visy.fi

Copyright ©2021 Visy Oy