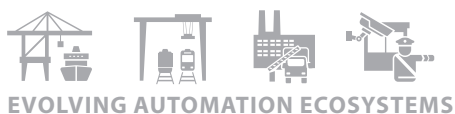![VISY logo]

VISY

VISY RAIL OCR PORTAL

Efficient container & wagon ID recognition and condition imaging

EVOLVING AUTOMATION ECOSYSTEMS

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Visy Rail OCR Portal is equipped with robust portal frame, line scan cameras, laser scanners, and illuminators.

Advantage of automatically captured cargo data

Visy Rail OCR Portal is a system environment in which cargo and train traffic is automatically imaged and identified while entering or leaving the terminal area. The solution utilizes Visy's industry-leading automated AI and OCR software and line scan camera technologies which make the imaging and identifying agile and secure. Visy Rail OCR Portal increases process efficiency and reduces operating expenses by transforming rail and intermodal terminals into automated ecosystems.

✓ **Streamlines rail operations**

✓ **Reduces operating expenses**

✓ **Clears liabilities for damaged containers**

Process automation applied to container handling

Visy Rail OCR Portal streamlines rail operations by automatically imaging and identifying trains and containers as they pass through the portals. The solution recognizes container IDs, wagon numbers, and other markings and interests, such as IMO and ADR labels. High-quality images provide access to retro-spective inspection and keeping a record of the condition of containers, therefore helping rail terminal operators shed liabilities for containers that arrive damaged.

Workstation and web applications for reviewing container condition, exception handling and traffic event management.
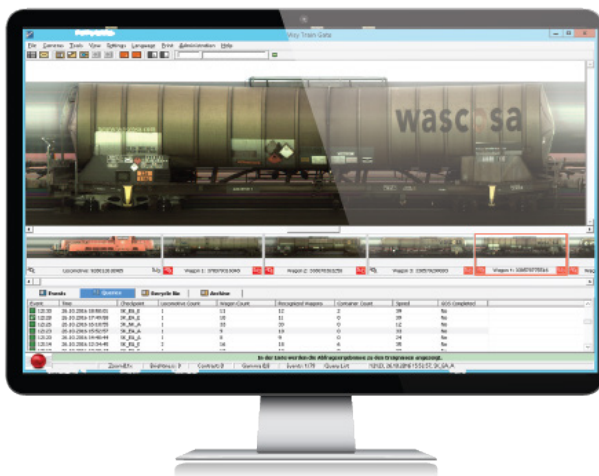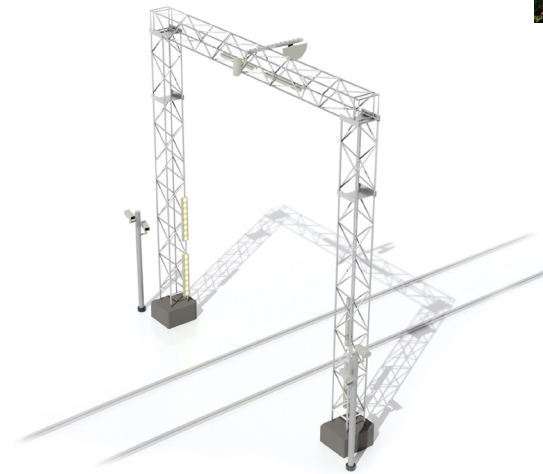
High-quality images in any environmental condition

Visy IRIS Rail OCR Portal utilizes Visy's industry-leading OCR and AI software with line scan cameras, laser scanners, and efficient illuminators. The solution captures high–quality images in any environmental condition, regardless of possible dirt or damages, even with speeds of up to 70 km/h. The gathered data is validated by OCR software to hit high rates in recognition accuracy and high-quality images provide access to retrospective inspection and keeping a record of the condition of containers.

The portal environment complements and supports terminals' existing information networks

Visy IRIS Rail OCR Portal's equipment and management application create a single intelligent traffic management environment. The portal environment complements and supports terminals' existing information networks with smooth data exchange to other systems. Interfacing with 3rd party systems such as X-ray, enables to review x-ray images and captured OCR data

Mechanical check of wagons, cargo units, IMDG labels, and train composition can all be done with Visy Rail OCR Portal and user interface.

Add-on feature: Visy Measurement Portal

Visy Measurement Portal (VMP) measures speed of trains while they are entering or leaving the terminal area. VMP is inserted to the Visy Rail OCR Portal solution with additional laser scanners to trigger and capture speed. The captured data is brought to user interface for reviewing and exchanged with TOS or other third-party systems.

Features

- Automatic recognition of container IDs, wagon numbers, ISO codes, IMO and ADR labels

- Imaging of containers, tanks and trailers

- Exceptional real-life accuracy: 98-99.5% correct recognitions

- Non-stop traffic flow, supports speeds of up to 70 km/h

- Small footprint and two-directional operation with exceptional performance

- Works in harsh weather – Installations from -40°C to +50°C

- Robust portal frame with line scan and area cameras, laser scanners, illuminators, and electrical cabinets

- Extensive data exchange and interfacing with third-party systems (TOS, POS, ERP)

- Interface and user application between a customs' inspection X-ray system, and rail cargo company

- Oracle database to store images and data

- Applications for container terminals, logistics, manufacturing industry, law enforcement

Expand | your vision

**Decrease Truck
Turnaround Time
by up to
60%**

**Automatically
image and capture
identifiers of cargo
and vehicles**

**Centralized
management of
vehicles and assets**

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.

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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

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