

VISY RAIL OCR PORTAL

For efficient management of train traffic

Visy Rail OCR Portal automatically images the train traffic and extracts data from wagons and cargo that are visiting the terminal. The imaging environment automates the whole management procedure by providing information and images of each wagon and cargo in real time.

High recognition rates in any environmental condition

The system utilizes Visy's AI-powered container OCR software with line scan cameras, laser scanners, and efficient illuminators to capture high-quality images of all train sides in any environmental condition. Regardless of possible dirt or damage, and even with speeds of up to 70 km/h, the system maintains its operation capacity. The system validates the captured data to hit high recognition rates of 97-99.5% and the high-quality images keep a record of container condition, therefore helping rail terminal operators shed liabilities for containers that arrive damaged.

Each system is customized with OCR features to support the customer's unique operations.



Wagon ID



Wagon length



Wagon nationality



Wagon capacity



Dangerous goods labels



Container ID



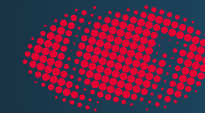
ISO code



Container condition



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 areas.



VISY

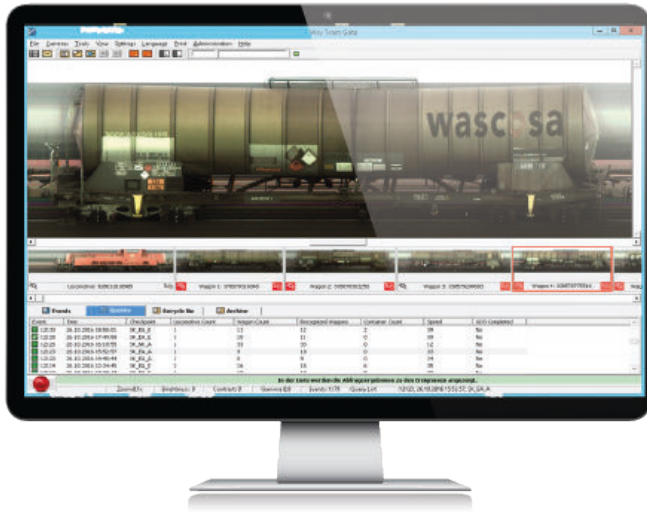
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The system extracts cargo markings from the captured linescan images.

Seamless integration to 3rd-party systems

Visy Rail OCR Portal environment complements and supports terminals' existing information and system network through system integrations. The captured information and images are available in Visy Train Gate application and exchanged with the local operating system. If the systems notice differences in information between the pre-announced details and the data gathered on the premises, you can retrospectively access images and captured data to verify whether an exception handling is needed.



Visy Rail OCR Portal environment captures high quality images



Visy OCR recognizes attributes of interest



The captured data is available in Visy Train Gate and exchanged with TOS in real time



With Visy Rail OCR system, you can move manual work from rail tracks to the office. For instance, checking mechanical parts like brakes or chemical tanks' covers can be done automatically with Visy OCR software and the results reviewed in Visy Train Gate application.



Read a customer case study about DB Netze to learn how they are enhancing operations with the help of Visy Train Gate.



VISY RAIL OCR PORTAL & TRAIN GATE APPLICATION
Imaging & recognition environment for rail transportation

Expand your vision