Target | Record | Digitize

ASE News

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INFORMATION

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NUMBER*Check* - interfaces*:*
Integration into a track scale measuring system

For a static or dynamic weighing system in rail traffic, the automatic optical recognition and identification of the UIC wagon numbers during train passage is an important functional addition.

Our camera-based number recognition system NUMBER*Check* offers the corresponding interfaces to track scale measuring systems of leading manufacturers..

How do we do this?

Both our OCR system NUMBER*Check* and a track scale measuring system detect and deliver the same number of train axles. The weighing system assigns a weight to each axle. NUMBER*Check* implements an algorithm that separates the train into its individual wagons. Thus the axle weights can be clearly assigned to the respective wagon.

Thanks to NUMBER*Check*, this works even with "short-coupled" wagons, which are usually made up of two "normal" wagons but are inseparably connected to each other and are regarded as individual wagons. The total weight of a wagon is determined by adding the associated wheel weights.


Pict. 1: © ASE

The result

In this way, together with the data and images recorded by NUMBER*Check*, the current condition of each wagon is obtained. This information is stored in the database of the NUMBER*Check* system. The user can view this data at any time via the GUI or search the database using specific search criteria.

This is frequently and gladly used by our customers in the context of reliable damage and condition documentation.

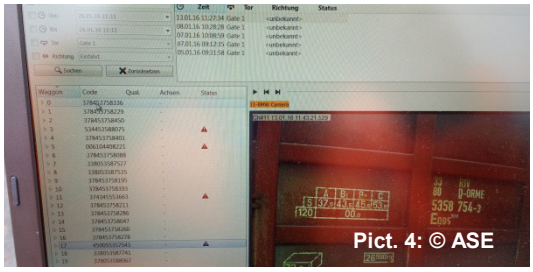
Picture 1: The weights determined can be assigned to the individual wagons on the basis of the identified UIC numbers.

Picture 2: Example of a rail scale

Picture 3+4: NUMBERCHECK detection sensors and GUI


Pict. 2: © ASE


Pict. 3: © ASE


Pict. 4: © ASE

Praxis example at BMW Regensburg

An example of this integration possibility is the application at BMW Regensburg. The metal waste produced in the stamping plant is transported by the company's own factory railway for recycling purposes (melting down). For the exact determination of weight/quantity and thus also for the monetary evaluation of the loads, a track scale including UIC wagon number recognition from ASE has been installed. Thus, a correct reimbursement for the raw material can be achieved by exact allocation of wagon number and weight.

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Port of Duisburg continues investment in OCR-Gates by ASE

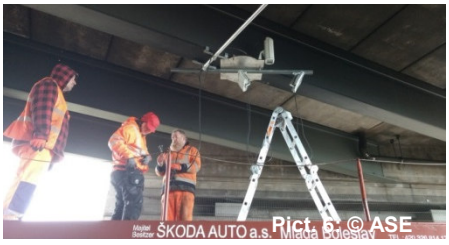
Following an initial installation in Duisburg's Logport III port, we can now look forward to a framework contract that includes the installation of up to ten rail gates. These are to be located at various sites on the approx. 14 square kilometer port site within the next 3 years.

Immediately after the contract was signed in November 2018, the first call-offs for two sites within the port area followed.

Within a very short time, the hardware components were installed in Duisburg Rheinhausen (Logport I) in mid-January in order to present a functioning system. Our project managers once again impressed the customer with their in-depth specialist knowledge both during the design phase and during the installation work outdoor, combined with their above-average commitment - even at temperatures below 5°C. Many thanks at this point.

Duisport is currently frequented weekly by 30 freight trains from various destinations in China. Since the start of the routes in 2011, the port of Duisburg has been the start and destination of the China trains. As part of the Silk Road Campaign "One Belt, One Road", the transit times of Chinese freight trains are to be further reduced from 12-13 days. This is to be made possible, among other things, by automatic registration and digitization of the recognized vehicle and loading unit data using our video gates.


Pict. 5: © ASE



Pict. 6: © ASE


Pict. 7: © ASE


Pict. 8: © ASE

As the largest inland port in the world, Duisburger Hafen AG also aims to be a technological leader. The OCR technology enables an enormous improvement in internal control and is a practical example of the digitization of the logistics chain.

Picture 5 – 8: Installation at Logport I, Duisburger Hafen

Outlook trade fairs and seminars

tl transport logistic
the leading exhibition

Transport logistic, 04th – 07th of June, 2019

transport logistic is the world's leading trade fair for logistics, mobility, IT and supply chain management. The global industry meets every two years in Munich on this leading platform. Visit us at our **booth no. 111, hall A3.**

TOC Europe, 18th – 20th of June, 2019

The trade fair has been THE platform for port and terminal technology and operation for years. Free technical seminars for terminal operators and their suppliers are offered as well as a large portfolio of innovative solutions. ASE will have its own stand for the first time. Visit us at our **booth no. F10 in hall 1, Ahoy, NL-Rotterdam.**

In addition, our expertise is also in demand. On **07th of March, 2019**, our CEO, Eric Steck, will present a topic on "Data acquisition and status documentation for digitized processing of rail transport" at the **13th BSL Symposium on Rail Freight Transport** at the Zugbildungsanlage Halle/S. in Halle. Here, too, well-known representatives from the transport sector will meet to discuss the development of rail infrastructure on the one hand and to present projects and application examples on the other. Halle/S. is an important hub for rail freight transport. In a project lasting until 2018, the Halle/S.-Nord train formation facility was converted into one of the most modern in Europe and upgraded to a key facility in Central Germany. The complete programme and a registration form can be found at **www.schienen-verkehr.de .**

Do you have any questions or are you looking for an individual, image- or video-based solution for a monitoring relevant process in your company?

My team and I will be happy to advise you; call us: +49/7251/932590

Yours Eric Steck
ASE GmbH
-CEO-

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