

MULTIRAIL® IDentify



- **Wagon number recognition**
- **An addition to the MULTIRAIL applications**
- **Optional functions:**
 - **Image acquisition of hazardous goods placards**
 - **Detection of the position of dome covers**
 - **Detection of the position of brake levers**

Application

MULTIRAIL IDentify is a comfortable and reliable system for the recognition of wagon numbers.

Wagon numbers are important key data in the logistics of railway traffic. MULTIRAIL IDentify is a system for the fully-automated recording of these numbers and for e.g. entry/exit checks, statistical evaluation of the wagons' idle time and – in combination with MULTIRAIL rail weighbridges – the direct assignment of the wagon weight or analysis data to the wagon.

It is deployed in the shunting area for legal-for-trade weighing.

Equipment

Components of MULTIRAIL IDentify:

- high-sensitivity cameras
- LED spotlights for night-time operation
- a PC station
- an outdoor control cabinet with built-in modules
- wheel sensor for axle spacing pattern

Various models for scanning both sides of the wagon and/or the frame.

The electronic system may be located in a separate wall-housing for mounting on a mast or in a control cabinet with the MULTIRAIL electronic systems.

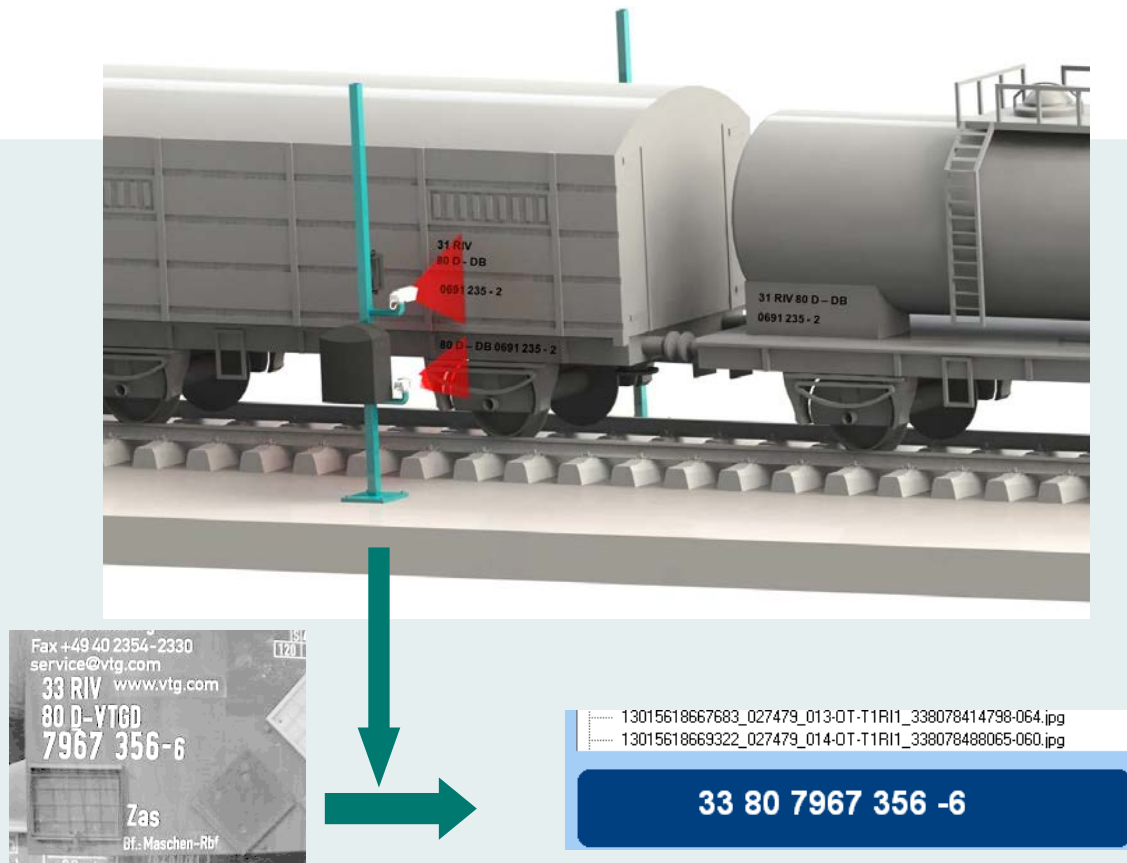
Function

Basic functions of MULTIRAIL IDentify:

- Recognising wagon numbers with image processing
- Documentation of passing wagons by means of at least one photo
- Software interface to MULTIRAIL systems

Optionally available:

- Data transmission to the customer's IT system.



Design and different models

- Single-track line
- Identifiable wagon number:
12-digits and 3-line UIC numbers
8-digits and 1-line Russian wagon numbers
- Scanning:
Both sides
on wagon and/or frame
- Both directions of movement

Technical Data

| | |
|-------------------|---|
| Speed range | 2 ... 15 km/h |
| Acquisition range | Distance between mast and rails approx. 3.4 m |
| Temperature range | -15 °C ... +40 °C (-40 °C ... +40 °C on request) |

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