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THEME
IN FOCUS

RAILWAY
TECHNOLOGY

Rail becomes
all digital

Digital technologies enter all areas of life. They capture the rail sector for the benefit of customers in freight transport and of people using passenger services.



3

Breakthrough
will radiate out

Volker Schenk,
President of the
German Railway
Industry Association

comments the free-trade agreement
between Europe and Japan.



7

Guidance
in tunnels

Swiss enterprise GIFAS
equips Rhaetian Railway's
tunnels with modern LED
handrail systems for the

lighting of escape ways to ensure a safe
emergency evacuation.



8

Mobility
Cleaning Circle

A new event format
at CMS 2017 in
Berlin provided a
platform for

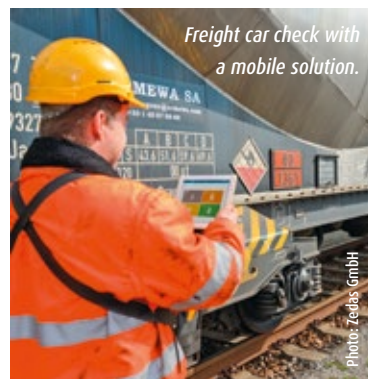
exchange for the international rail industry
and the cleaning sector.

Digitalization of business processes in railway logistics

One of the trends of "Logistics 4.0" is a closer networking of enterprises, partners and customers.

The railway industry solution zedas[®]cargo offers a support with an automated Estimated-Time-of-Arrival calculation for transportation orders and includes a message dispatch that can be configured by the customer.

■ zedas[®]cargo enables enterprises of the rail freight traffic sector to plan, supervise and bill transports more efficiently and more transparently. With the use of mobile applications for tablets and smartphones a module is created to digitalize business processes in railway logistics. Employees are enabled to access selected information from any location and to further process them directly. The integrated off-line func-



tionality also allows autonomous working without a data connection.

Current developments are focused on additional modules aiming at the solution of optimisation tasks especially in the field of resource planning. Following an integrated product philosophy, these modules work closely with the existing zedas[®] products suite. Within the web-based optimisation module, planning may be configured and

the results of optimisation runs may be visualised. Once the automation or optimisation runs are finished the results can be directly fed back into the corresponding zedas[®]cargo planning modules. The results for the customer are an enormous time-saving during the resource planning process and substantial cost advantages through an improved quality of the results of the planning process.