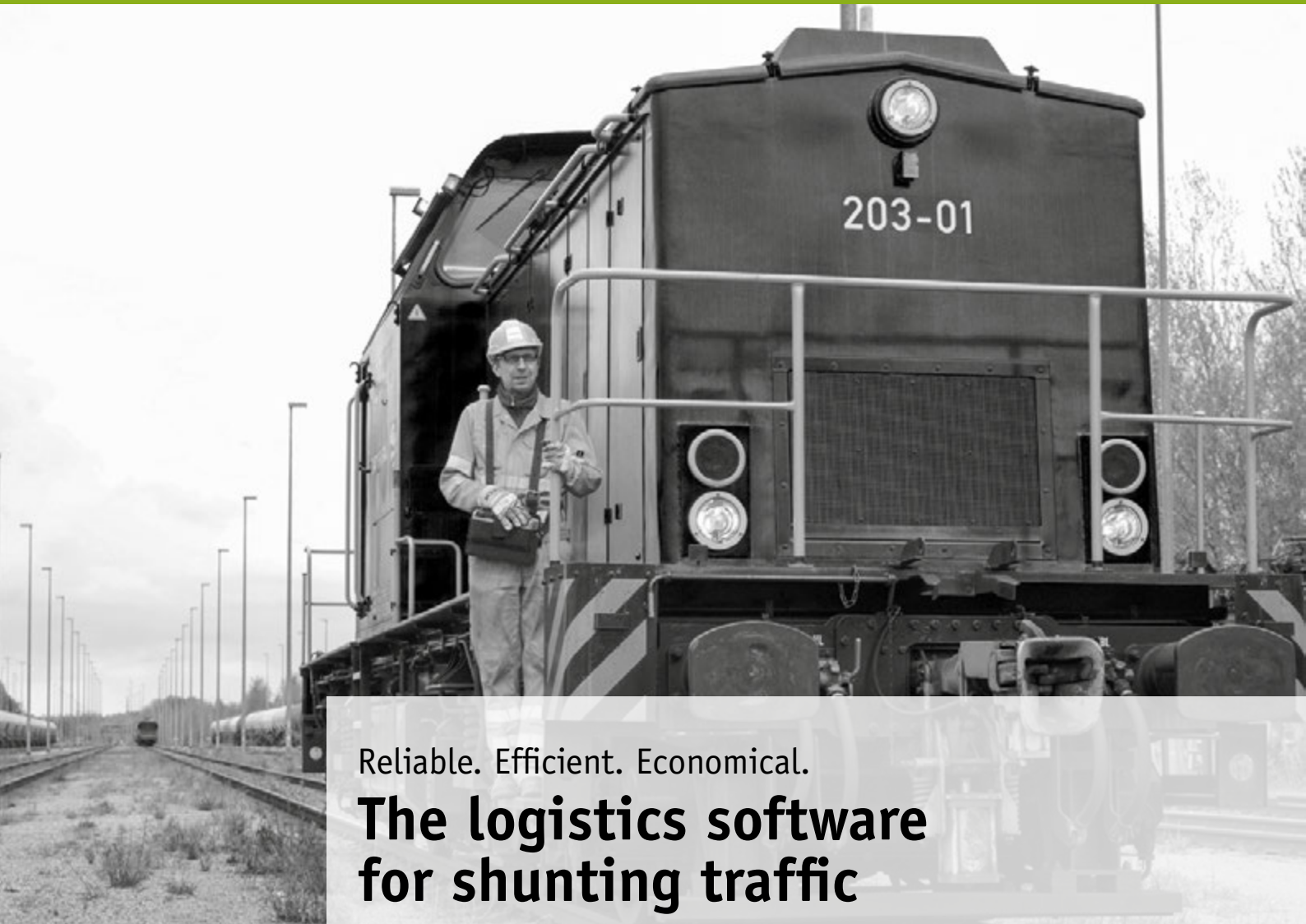# zedas®cargo

Reliable. Efficient. Economical.

The logistics software for shunting traffic

zedas

There is a reason for success

Since its founding in 1990, the company has made a name for itself in the railway industry as a software specialist for logistics and asset management. Today we serve and support our customers right across Europe from our company headquarters in Senftenberg.

In addition to the development and implementation of an individually adaptable standard software for logistics and asset management, we also offer our customers a wide variety of services relating to the introduction of our software solutions. Besides the project management and the consultation throughout the entire project duration, this also includes the training of the users and the hosting of the software. We offer you top-class manufacturer support, which also includes all updates. Our 24/7 service is available whenever you need us. This guarantees secure procedures and processes at all times. All users benefit from this.

We closely monitor what the very latest technological developments are and maintain close contact to our customers. Our software solutions can be individually adapted to our customers' requirements and this helps to guarantee the highest efficiency and profitability.

zedas

A future-oriented solution

The cost and efficiency pressures that exist in rail freight services are greater now than at any time before. A constantly increasing amount of traffic today needs to be managed and dealt with reliably, fast and cost-efficiently without any additional personnel and locomotives being required. A gigantic task! Customers, dispatchers and shunters all require secure access to the current process data at the same time in order that optimum operating procedures can be ensured. A perfect information network is required for this purpose. Precise documentation detailing the individual services is required in order to invoice the services provided in a transparent and resource-related manner.

When you choose the logistics software for the shunting traffic from ZEDAS, you are choosing a highly-efficient and economic solution, which is absolutely future-oriented thanks to its consistent further development in conjunction with its update service. In order to store the data, the ORACLE® database is used. For flexible analyses, a report system (SAP® Business Objects XI) has been integrated. For you as user, this means that you can benefit from all the advantages offered by a global leading manufacturer such as, for example, high capacity, investment security, performance as well as long-term support and assistance.

We ensure that all processes can be seamlessly interlinked, which significantly reduces the amount of administration required. When you choose our branch solution zedas®cargo, this will allow you to plan, monitor and document the shunting traffic more quickly, more transparently and more efficiently.

Five great reasons to choose zedas®cargo

- Highly efficient controlling of the complete shunting traffic operation!
- Seamless cooperation with the loading points and the customers!
- Transparent invoicing and documentation!
- Meaningful management information available at all times!
- Economic implementation and faster return-on-investment!

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Process overview shunting traffic

Planning

Operation

Data & Messages
(inbound/ outbound)

Shipping and train composition

Takeover & train splitting
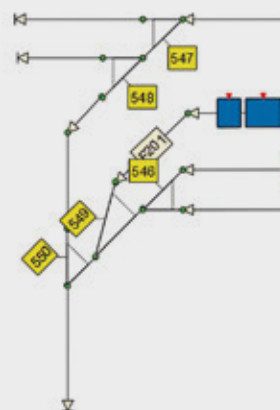
Pick-up

Delivery

Loading / Unloading

Invoicing

Simply well planned

The basis of successful shunting traffic operations is optimum resource planning. The amount of locomotives and personnel that will be required needs to be exactly planned and coordinated. A solid shift plan is everything. Using zedas®cargo for the shunting traffic allows you to integrate all rules and legal stipulations for example, laws relating to working times and collective bargaining agreements, into the planning process. The suitability, qualifications and the authorisations of the personnel can also be perfectly integrated into the planning process.

With our flexible software for the shunting logistics, the actual working times can be recorded on a tablet or at the work station and assigned to customer transport orders and working time accounts. Existing interfaces to finance and payroll accounting make precise transport order and payroll accounting possible.

ZEDAS optimises your operational procedures

Our branch software zedas®cargo is a tried-and-tested tool at your disposal to design your operating procedures in such a fashion that all processes are optimally interwoven. You will always have an overview of arriving and departing trains, shunting movements, loading point operations, change-over processes, track occupancy, as well as all parameters of an efficient shunting, and thus be able to optimally control the procedures. The dispatcher has all information at its disposal for an effective and secure resource planning. Information in relation to order status, carriage location, sequence, carriage status, loaded goods and technical details is always provided. Thanks to a high level of automation, the dispatcher is furthermore relieved of the time-consuming routine work. That saves both time and money.
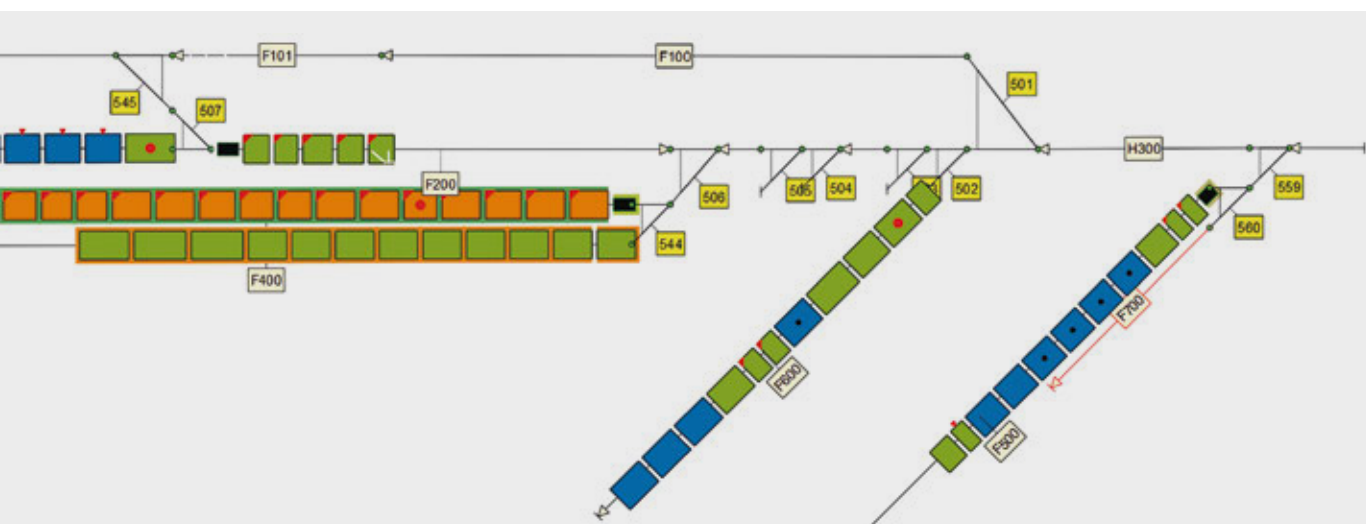
Made-to-measure flexibility

Plan deviations are a daily occurrence in the shunting business. With zedas®cargo, you can react flexibly at all times to new situations in the shunting traffic operations. In the event of changes to the operating schedule or to delays, you will have the possibility to quickly implement alternatives. All processes and procedures are transparently documented and registered of course.

Process improvements
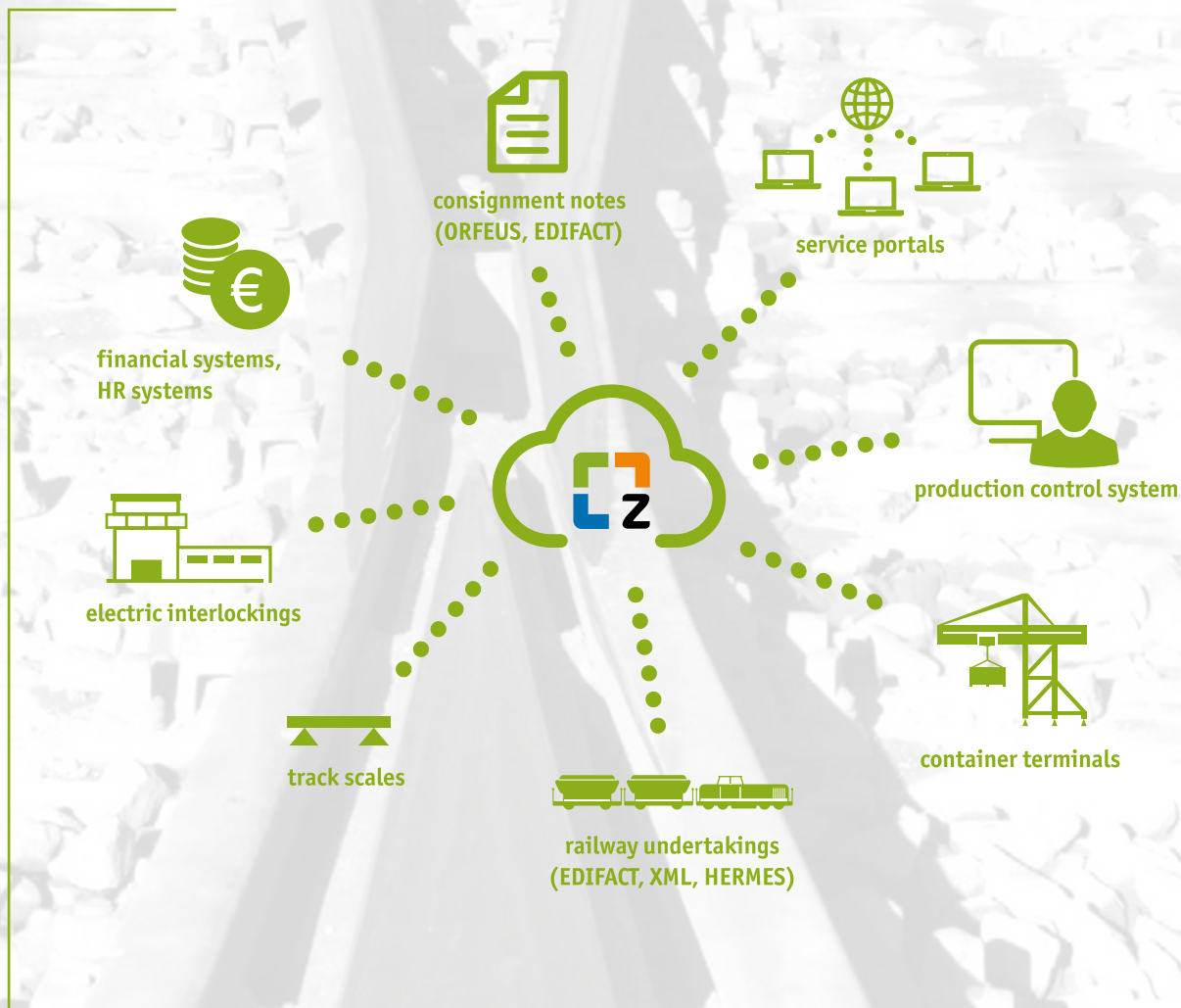# thanks to mobile solutions

Thanks to mobile applications, business processes can be better planned and organised because employees can access all relevant information everywhere and at any time. As a result, time and correspondingly cost-intensive agreements can be avoided. Whether drivers, carriage technicians or control personnel – each user can act independently on-site. This ensures that a constantly updated flow of information and data is available. Efficient work procedures are ensured because all employees have permanent access to invoice-relevant process data. Train arrivals and departures, shunting orders and damaged carriages can be processed directly on-site on the rail track. Job-order and vehicle parameters and the current track occupancy can be retrieved at any time. Our platform-neutral web technologies can also be used when off-line and this allows autarchic working without a permanent data connection being required.

Getting data communication on the perfect track

In order to guarantee safe and effective process procedures, we have automated the exchange of data between those involved in the process via suitable interfaces. With this step, we want to minimise all manual procedures and accelerate the processes. Examples of customer interfaces are:

consignment notes
(ORFEUS, EDIFACT)

service portals

financial systems,
HR systems

production control system

electric interlockings

container terminals

track scales

railway undertakings
(EDIFACT, XML, HERMES)

It's worth it

All procedures of the shunting process that are of relevance for the invoicing are precisely documented and made available for the invoice. Basis for the invoice of all the services provided are the submitted contracts with the agreed conditions. Should the necessity arise, incomplete or non-recorded services can also be manually supplemented. Following approval comes the accounting including cancellation and credit notes. Furthermore, the exchange of data with systems for finance and accounting is also possible.

Optimising the business practices with key figures

With zedas®cargo, we have a comprehensive range of possibilities in order to retrieve standard and individualised analyses. Key figures and analyses provide you with well-founded information in order to analyse the services provided, as well as for process optimisations. Factors that cause and drive up costs can be identified and improvement potential for an efficient resource management can be recognised. Modular universes offer you the possibility to flexibly draft your own reports and analyses. In addition to this, reports can be drafted in a time-controlled manner and sent automatically. The data export to Microsoft Excel is part of the standard functionality.

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You Tube

zedas®cargo wagon number recognition
AI-supported train dispatching via app

In order to reduce manual input processes in logistics management, ZEDAS GmbH has developed an AI-based wagon number recognition for RUs in freight transport.

As a key technology, wagon number recognition has been integrated into the Train Check app. Train Check is an easy-to-use app for paperless train check-in directly at the train.

During the train check, a scanner for the wagon number can be opened through a button next to the text field for manual entry. If the camera is pointed at the wagon area with the UIC wagon number, the AI automatically recognises and analyses the exact position of the number, the text characters and checks the recognised UIC number. No further symbols such as QR or barcodes are necessary.

For train control, the pre-booked wagon data is automatically loaded from zedas®cargo and displayed in the application. The direct booking of wagons in the app is also possible. With the identified wagon number, the app then retrieves the keeper's technical wagon master data via the GCU Broker (TAF interface) and imports it into the Train Check app.

Further Highlights of the App

- automatic brake calculation
- Wagon lists and braking notes are created automatically and can be called up at any time
- future-proof thanks to TAF/TAP TSI interfaces for TCM and WDR
- AI accelerates train dispatching
- improved data quality