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ZEDAS - A New Player on the Asian Railway Market

New version for track capacity management in ports

The planning and calculation of track capacities and the optimal coordination of rail logistics processes in ports requires a high level of coordination between the port management, railway undertakings (RU) and terminals. zedas®cargo provides a web-based application offering RUs the option of creating and editing requests for track or terminal use directly through the online portal. The port management can coordinate and approve the usage request centrally with the help of Gantt charts. The usage fees are automatically determined based on the customer contracts and settlement rules on file and are provided for invoicing.

Mobile applications for long-haul and shunting traffic

The mobile application for zedas®cargo - the logistics solution for national and international rail freight transport, to manage, control, monitor and document all freight transports: from signing of contract, through to implementation and control to invoicing - makes it possible for locomotive drivers, wagon technicians and inspectors at any location to access selected information and to then use this information for the tasks that their jobs involve. The use of these applications reduces the number of complex consultation meetings required, as well as the keeping of records and automatically delivers exact data for the invoicing of services provided.

One of the trends in "Logistics 4.0" is to link companies, partners and customers more closely. Therefore an automatic Estimated-Time-of-Arrival calculation for transport orders, including a free configurable message service, supports all involved parties.

The future developments focus on additional modules that solve quantitative optimization tasks in the area of resource planning. The result for the customer will be a tremendous time relief in resource planning as well as significant cost advantages through better planning results.

Optimum vehicle fleet maintenance thanks to a comprehensive software solution

With zedas®asset, all procedures involved in the technical asset management process can be provided with IT-support. Besides the consistency of the solution, the analysis, documentation and prognosis are particular performance characteristics. The condition data derived from systems and vehicles in operation are used to determine critical conditions. This makes it possible to derive maintenance data, for example, for steering deadlines. Via the complete recording of component replacements, what used up time and materials, as well as condition information from systems or vehicles, a comprehensive system and vehicle history is created, which involves the required ECM-conforming workshop documentation being illustrated for the area of rail vehicles. History and current data when combined allow the vehicle's future condition to be derived, and so make a condition-oriented maintenance possible.

Predictive maintenance for linear infrastructure

In the field of railway infrastructure zedas®asset is used to detect asset condition changes including weak points through recording of load data (e.g. over runs), integration of inspection reports plus analysis of measurements (e.g. gauge, cant). Integrated modules like Track Analyser allow the visualisation of linear geometry of a stretch, including important information about the general construction of tracks, crossings, catenary or safety systems. Condition information as well as measured data (including historicised data sets) can be shown and compared to the exact position (coordinates or kilometrage) via different filter criteria.

Come and see the software solutions live at this year's Asia Pacific Rail (20.-21.03.18 - Hong Kong, China) at **stand F19**.



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About ZEDAS GmbH

ZEDAS GmbH develops software products for the maintenance management of vehicle fleets and technical systems and for the logistical management of rail traffic. With more than 28 years of experience and a specialised, powerful network, we support professional customers worldwide. Our standard solutions offer administrative and operative support for process management in specific sectors. Our customers have access to experienced consultants who provide excellent expertise for the complete implementation of their projects. The update and upgrade service in the maintenance contract and the comprehensive 24/7 support guarantee reliable operation. We ensure continuous innovative developments for the solution which offers our customers a high level of investment security. Our expertise in the rail market and our many years of experience guarantee that your project will be implemented successfully.

Current information at www.zedas.com