



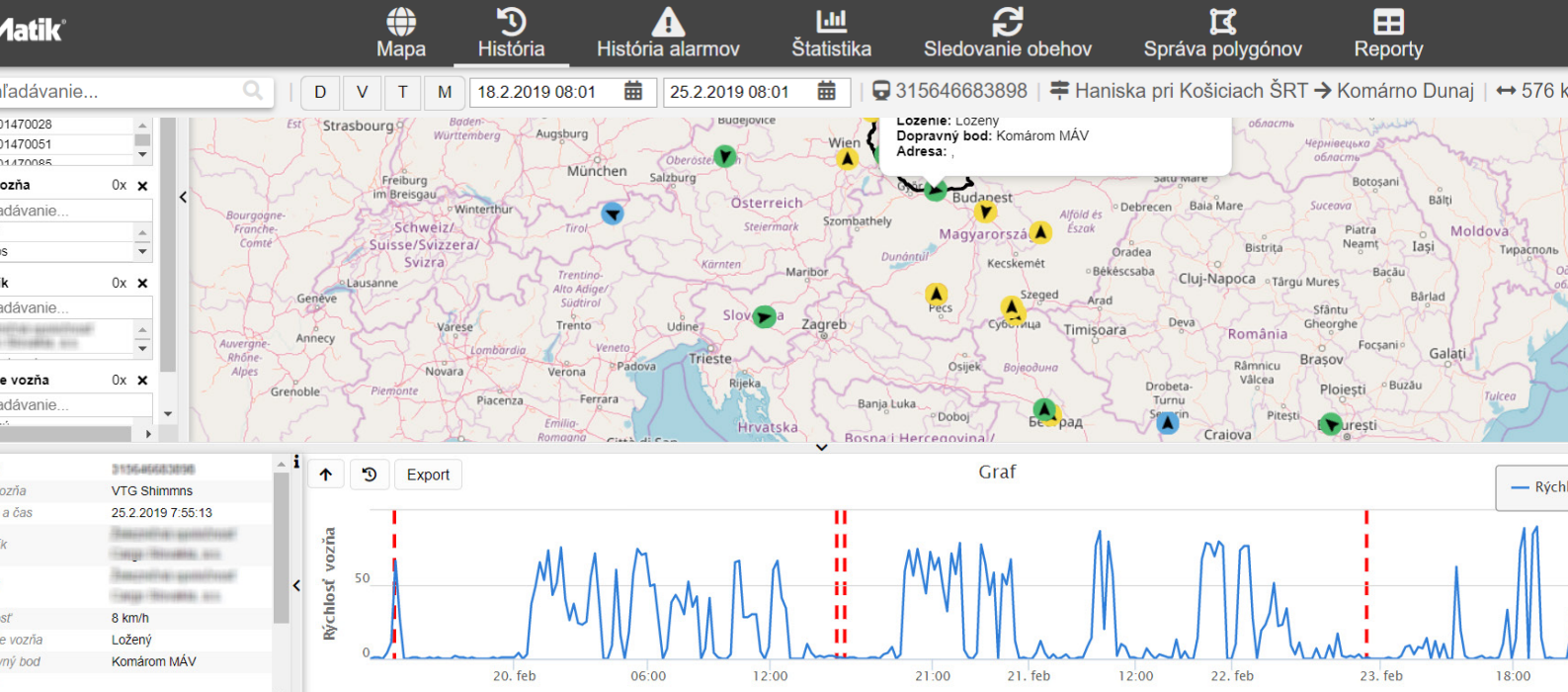
Matik[®].smart | **WMS**

WAGON MONITORING SYSTEM

WAGONS UNDER CONTROL

WHAT YOU GAIN

- Complex solution for wagon monitoring
- Support for more effective wagon usage
- Monitoring of wagon status abroad and on private sidings
- Identification of place and culprit of wagon damage
- Support for more effective maintenance



CHARACTERISTICS

ONLINE INFORMATION ABOUT WAGONS

The product XMatik®.smart|WMS offers complex overview about wagons in carrier's register. The system displays overview of current position, speed and mileage of each wagon using dynamic graphical visualization of objects on top of map background with railway infrastructure.

TECHNICAL RECORDS AND EVENTS OF WAGON

The system is able to record technical parameters of wagons relevant to wagon monitoring. The status of each wagon is evaluated based on information like loading of wagon, sending wagon to repair, etc. Based on this data it is possible to visualize current position of wagon with its status.

MONITORING OF WAGON CIRCULATION

The system enables to define checkpoints that creates a route of wagon circulation. The system is able to evaluate planned and real time of checkpoint crossing and planned and real mileage between two checkpoints. Based on this data it is possible to evaluate effectivity of wagon in one instance of circulation.

IDENTIFICATION OF WAGON DAMAGE

The power of shock measured by the onboard unit is evaluated in the system. Users are notified if the power of shock might cause wagon damage.

MAINTENANCE

System stores mileage of each wagon calculated based on onboard unit measurements. The carrier can adjust preventive maintenance based on this data in order to lower maintenance costs. It is possible to set monitoring of staying of wagon in service station. If the period of staying exceeds specified interval, system will raise notification for selected users.

REPORTING

Based on user's need it is possible to generate spreadsheets as basis for next processing in office software (MS Office).

COSTS OPTIMIZATION

Based on the data provided by the system it is possible to optimize carrier's processes in order to make the usage of wagons more effective and to lower costs of maintenance.

LIST OF MODULES

MEASUREMENT PROCESSING

CURRENT POSITION OF EACH WAGON

HISTORY OF WAGON MOVEMENT

ALARMS (LONG TERM STANDING, DAMAGE, ARRIVAL OF WAGON TO SPECIFIED DESTINATION)

MONITORING OF WAGON CIRCULATION

GEOFENCE MANAGEMENT

REPORTING

CONTACTS

sféra, a.s., Karadžičova 2, 811 08 Bratislava
SLOVAK REPUBLIC

TEL: +421 (2) 502 13 142
E-MAIL: obchod@sfera.sk
www.sfera.sk

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