

**RODIAS**

YOUR DIGITAL TRANSFORMATION SPECIALIST

## EFFIZIENZSTEIGERUNG IM GÜTERVERKEHR HÄFEN UND GÜTERVERKEHR KÖLN AG

Häfen und Güterverkehr Köln AG (HGK) is a subsidiary of Stadtwerke Köln (Cologne's public utility company) with a business focus on rail freight transport, inland freight shipping, port handling, vehicle workshops, network maintenance and real estate leasing.

Together with Neuss-Düsseldorfer Häfen, HGK founded the logistics company RheinCargo and outsourced port and rail operations to it in order to pool resources and further increase port handling performance. In the first business year, RheinCargo was already able to increase cargo handling in the ports to 27.7 million tonnes. In addition, the company handles almost 8,000 ships annually at seven cargo handling ports in Cologne, Neuss and Düsseldorf.

To provide these comprehensive logistics services, RheinCargo operates 83 locomotives with 648 freight wagons and has become the largest private freight railway in Germany. Its transport performance to Germany and neighbouring countries exceeds 3.4 billion net tonne-kilometres. As an infrastructure provider, HGK itself maintains a track network with.

### **HGK** INTEGRATED LOGISTICS GROUP

**industry**  
Mobility & Transport

**Employees**  
2.500

**Headquarters**  
Köln

**Challenge**  
To get an overview of the entire asset inventory as well as of the costs to increase efficiency.

**Solution**  
IBM Maximo

**Benefits**

- > Overview of all repairs and maintenance measures
- > Improved cost transparency
- > Reduction of planning effort
- > Enables the anticipatory identification of risks

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## CHALLENGE

Over the last ten years, HGK has greatly expanded its business. The company therefore needed a new solution to support the operations of its ports and rail freight business units, optimising asset management and enabling preventive maintenance.

HGK wanted to gain transparency over its entire asset portfolio. In addition, all processes important for this were to be integrated and purchasing and materials management optimised. In addition, it was required that technical services for other companies could be organised and invoiced. The company therefore turned to RODIAS for support.

## SOLUTION

HGK implemented a solution based on IBM Maximo Asset Management to manage its diverse asset portfolio. RODIAS supported the reorganisation of the processes, adapted the system, implemented interfaces and took over the ongoing support of the system. After a detailed study, HGK decided to consolidate maintenance and procurement processes for the port facilities and the vehicle fleet in a single solution.

RODIAS supported the company in mapping the complex plant structures and importing the data into the system. The new solution is used for asset management and maintenance as well as for warehouse management in the ports division and for materials management in rail freight transport.

Maintenance planning and monitoring as well as maintenance and inspection are among the most important tasks for HGK because the company cannot afford poorly functioning facilities of any kind. Leaking pipelines or containers as well as overdue maintenance work on cranes or locomotives can have devastating effects on people or the environment and thus also on the business and reputation of the HGK Group.

And this is especially true because the HGK Group also transports oil, fuels, gases, acids and other hazardous materials in addition to other goods. Even the failure of a single crane or locomotive poses a major risk that the HGK Group must avoid at all costs, because otherwise there is a risk of serious injury to people.

## BENEFITS

The new solution provides a complete overview of all repairs and maintenance activities. Cost transparency is improved and the planning effort is reduced with the help of comprehensive insights into the cost status of each plant. HGK is now able to proactively identify risks and problem areas.

Efficiency is increased by providing meaningful drawings, diagrams and data sheets in the dashboard at the touch of a button. The ability to order on demand also improves materials management and consumption planning.

RODIAS is a medium-sized IT service company specialising in systems for the maintenance of complex technical facilities and buildings. With an agile approach and innovative approaches, we realise Industry 4.0 solutions for our customers based on current software technologies.

As part of ROBUR, RODIAS offers even more: Almost 3,000 colleagues work worldwide in the industry segments wind, water, energy, industrials and process industry. As a competent partner to our customers, we create integrated solutions from planning and realisation to installation, operation and maintenance to relocation and dismantling.