

**Yard Management Efficiency:**

# **Revolutionizing Rail Yard Operations: ProRail's Transformation at Kijfhoek with Ab Ovo's Eco Logic Platform**





## Challenge

- Due to a large and complex infrastructural upgrade of the humpyard, ProRail needed a new Yard Management System for the yard 'Kijfhoek' in The Netherlands.
- Their old system was at the end of life, and not adaptable anymore, and that resulted in risks for availability and the adaptability for desirable extensions. Changes were necessary to ensure, and facilitate, the development of their business processes and their environment.

## Solution

- Ab Ovo developed a new hill shunting planning & execution system, based on the Eco Logic Platform connecting multiple Rail Cargo companies.
- The planning system (data, logic, functionality and user interface) supports the following processes:
  - Setting up and managing basic plans used to roll-out standard planning days to the calendar plan
  - Support sorting code for the wagons
  - Manage the planning in a calendar, for both short-term planning and realization
  - Pre-notification of arrival trains
  - Handling arrival trains plus preparing for hilling
  - Handling sorted wagons and processing them on departure trains
  - Recognizing and handling of trains and wagons from different carriers

## Benefits

- With this solution, ProRail now complies with European regulations to allow multiple railway operators to shunt on the rail yard in a fair and compliant manner.
- Access real-time insights into rail yard operations to improve network utilization and also be transparent in changes of the shunting operations.
- Prioritize movements from multiple rail operators fairly and transparently.
- Effective management by tracking real-time locations / movements of wagons and their related cargo on the yard.

# ProRail

## Fast Facts

- HQ in Utrecht, The Netherlands
- 4,881 employees
- €1,5 billion revenue in 2022
- Total length of rail track: 7,023 km
- Customer since 2022

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*ProRail is committed to enhancing the efficiency and reliability of our rail operations. By partnering with Ab Ovo, we have revolutionized our yard management system at 'Kijfhoek,' ensuring compliance with European regulations and creating a transparent, equitable environment for multiple rail operators. Leveraging the Eco Logic Platform, we are improving network utilization and enabling real-time insights for more effective planning and operations"*

**Paul van Asten -  
Delivery Manager, Functie ICT Manager**

## Why Ab Ovo?

- As sustainability is part of ProRail's strategy, Ab Ovo's Eco Logic Platform was used to build this solution because of its carbon-efficient green software technology.
- Ab Ovo is also an experienced implementation partner with strong rail business knowledge and a solid reference base that gave ProRail the support they needed to carry out this project.

## Ready to transform your operations sustainably?

Explore how Ab Ovo's Eco Logic Platform can set you on the right path.

Visit **Ab Ovo** to learn more today.