



MAINTENANCE

Opportunities

- ▶ Ability to plan long term investments thanks to predictable maintenance plans;
- ▶ Artificial intelligence, 5G and other enablers to make maintenance more predictive.

Challenges

- ▶ Unpredictable events (natural disasters, accidents) may request additional investments;
- ▶ Increased investments in maintenance due to growing legal requirements;
- ▶ Higher investment needs to digitalise the networks.

Objective

One of the main priorities of Infrastructure Managers (IMs) is to ensure a safe and reliable rail infrastructure. By the same token, maintenance is also an important cost factor.

Involvement of Infrastructure Managers

IMs develop maintenance plans to perform maintenance of their infrastructure while striving to increase the capacity and efficiency of their networks. In the long run, IMs strategic investments in “predictive maintenance” are crucial to ensure that the rail infrastructure remains reliable, secure, safe, technically interoperable with other rail systems.

EIM in action

The EIM maintenance Platform, which was kicked off on 27th March 2019 in Utrecht (NL), discusses maintenance issues having an impact on:

- › IMs value chain and return on investments;
- › the optimisation of rail maintenance planning and processes;
- › maintenance aspects in multimodal, intermodal and international transport;
- › safety culture of IMs;
- › maintenance management through environmentally friendly innovation and digital technologies.