

Top 6 challenges facing rail network operators and how to solve them



1

Challenge: Inspecting your rail network is a manual, tedious and time-consuming process, requiring crews to walk rail lines.

Solution: Reality capture technologies allow you to create a digital representation of rail tracks and the network environment without costly and regular on-site deployment of resources.

2

Challenge: Data is scattered across multiple systems and your information systems work independently of one another with little interaction.

Solution: Geospatial asset management tools allow you to combine and visualize all asset, spatial and other data spread across multiple systems, departments and formats into a dynamic 3D digital twin.

3

Challenge: Technical and infrastructure-related differences hinder your ability to collaborate with stakeholders outside of your rail network.

Solution: Collaboration workspaces let you exchange data to reduce standards inconsistencies, prevent incidents, form new partnerships and keep trains on track and on schedule.

4

Challenge: You need to maximize your resources due to rising maintenance costs.

Solution: Powerful and flexible enterprise asset management solutions allow you to better leverage and deploy your assets and prevent unplanned downtime.

5

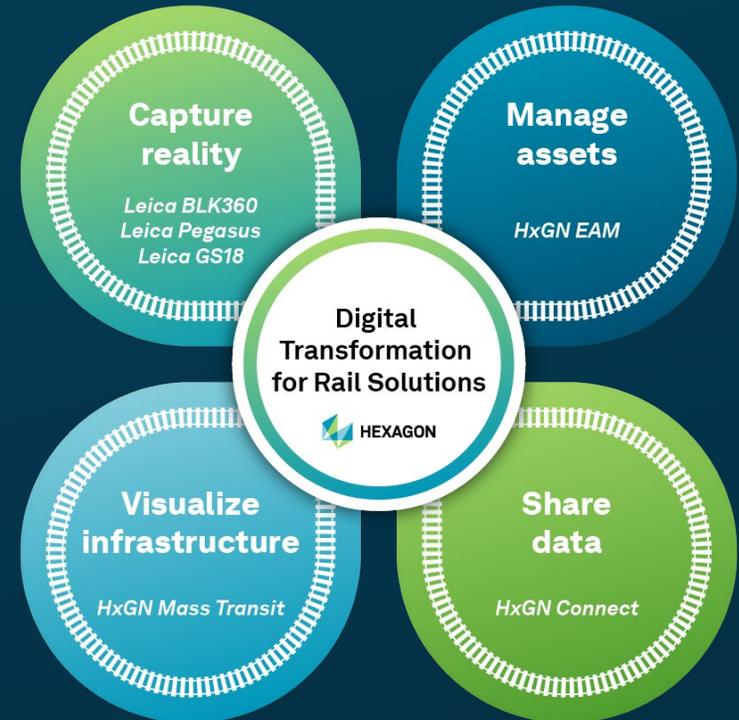
Challenge: You are trying to recover from revenue losses caused by ridership decline during the pandemic.

Solution: Digitalization of your rail systems at an affordable cost helps you become more innovative, reliable and punctual to gain passengers and increase ridership.

6

Challenge: You are under constant pressure from freight customers to keep prices low and service as efficient and reliable as possible.

Solution: Digital transformation tools allow you to optimize freight operations to improve capacity, reliability and productivity while delivering quality service levels at competitive prices.



Discover how Hexagon's solutions for digital transformation of rail infrastructure solve these challenges.

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