

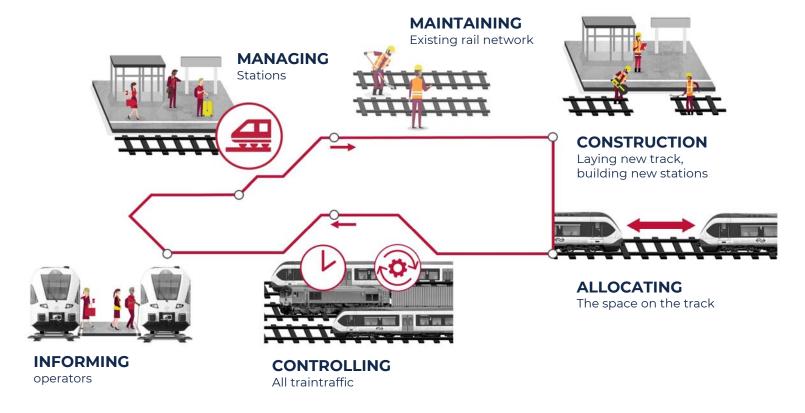
How the Data Driven Vision of ProRail contributes to our challenge of 30% more passengers and freight in 2030.

ProRail

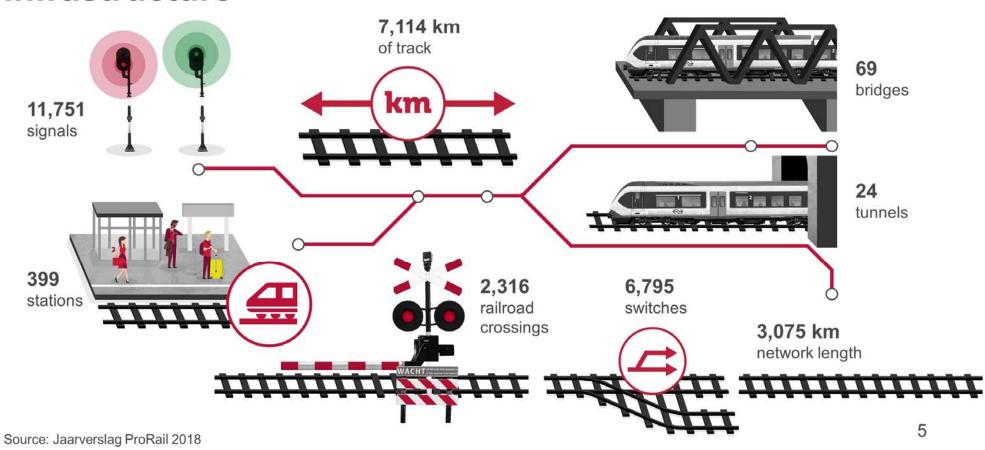
Inge Hofland Manager Infradata @ProRail IT Robert Voûte Vice President Consulting @CGI

ProRail

WHAT WE DO



Infrastructure



Rail challenges in The Netherlands



Increase in mobility demand

30% growth of passengers and freight in 2030



Technology

Keeping up with technological innovations to improve the performance of our infrastructure.



Sustainability

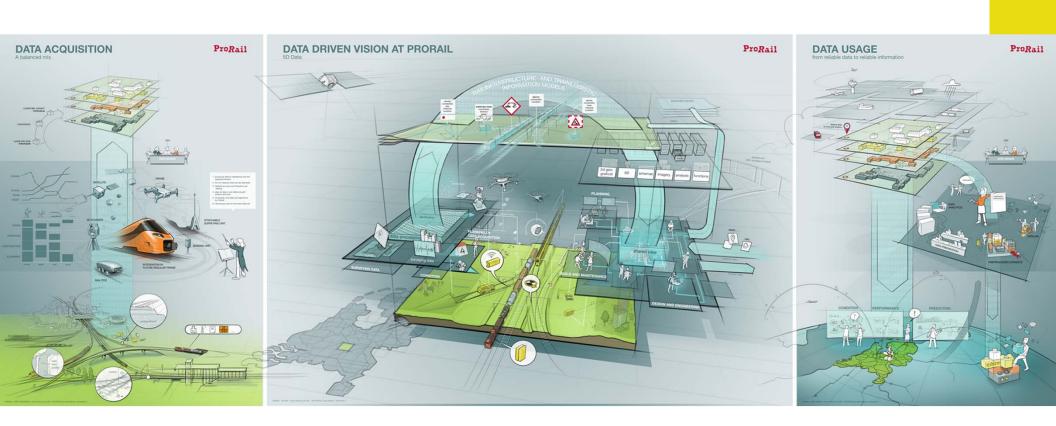
Sustainable infrastructure.

Re-use of materials, renewable energy









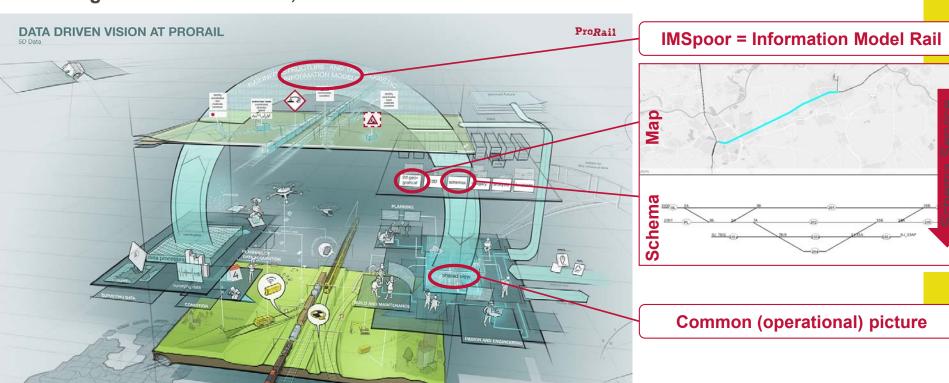
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Use case DDIO



ProRail

Vision: digital twin – one world, two views



ProRail

Verbindt. Verbetert. Verduurzaamt.

https://prorail.deeltbeeld.nl/5d/

ProRail Schemaviewer



Powered by Esr

ProRail

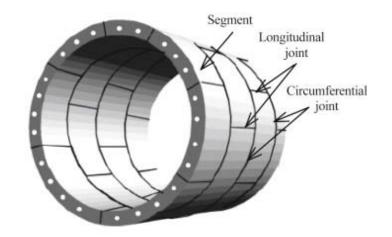
Track Changes: speed limits





Botlektunnel system / monitoring

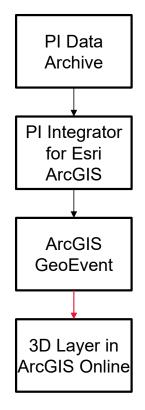
- Determine deformation of the joints between segments, due to a road construction nearby
- Drilled tunnel, underwater
 - 62 rings with 7 tunnel segments
 - The segments may move
- Dashboard
 - Status of the rings
 - Absolute values
 - 5 different warning colors







Integration with ArcGIS



Live data is shown in 3D!

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