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# Digitalisation and AI in a Greenfield Project

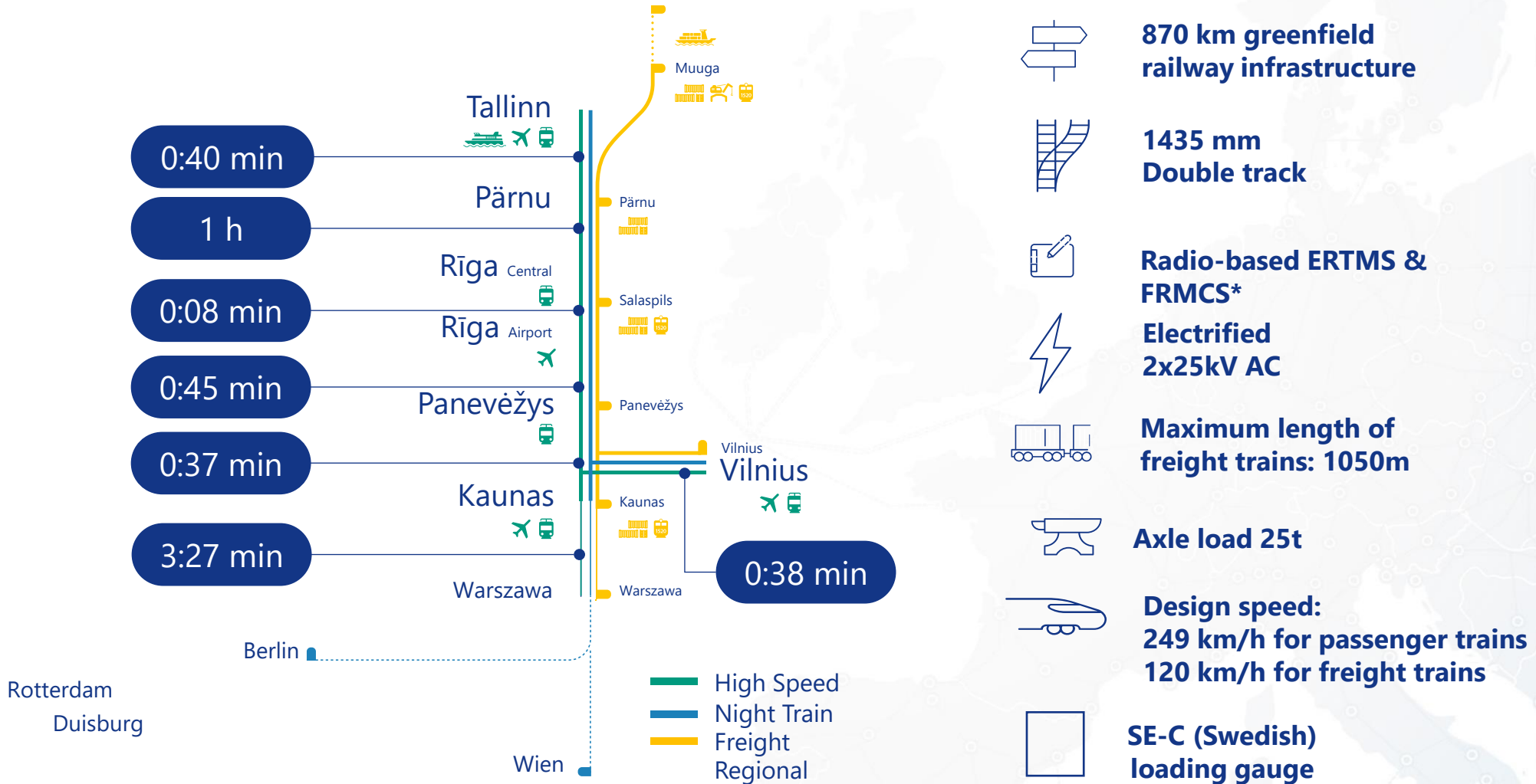
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**Innovation & Digital Architecture**

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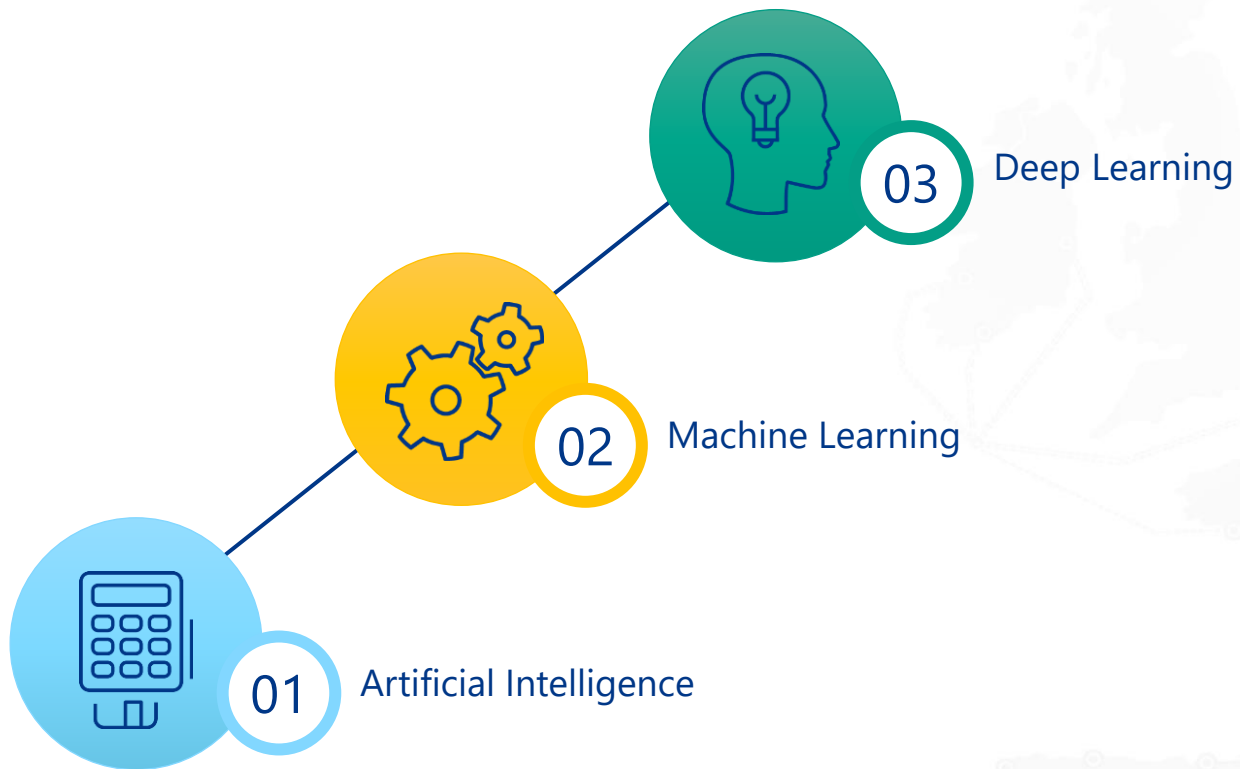
# What is Rail Baltica?



# Systems and Stakeholder Interfaces



# AI and Machine Learning



Application of ML that uses complex algorithms and deep neural nets etc.

Application of AI that enables a system to automatically learn/improve

Ability of a system to imitate intelligent / skilled behaviour

# Application Drivers



## Deterministic AIs

- Decision Trees
- Expert Systems

**Anomaly Detection**  
**Root Cause Analysis**  
**Trend Monitoring**  
**Risk Assessment**

## Generative AI?

# AI/ML in a Greenfield Project

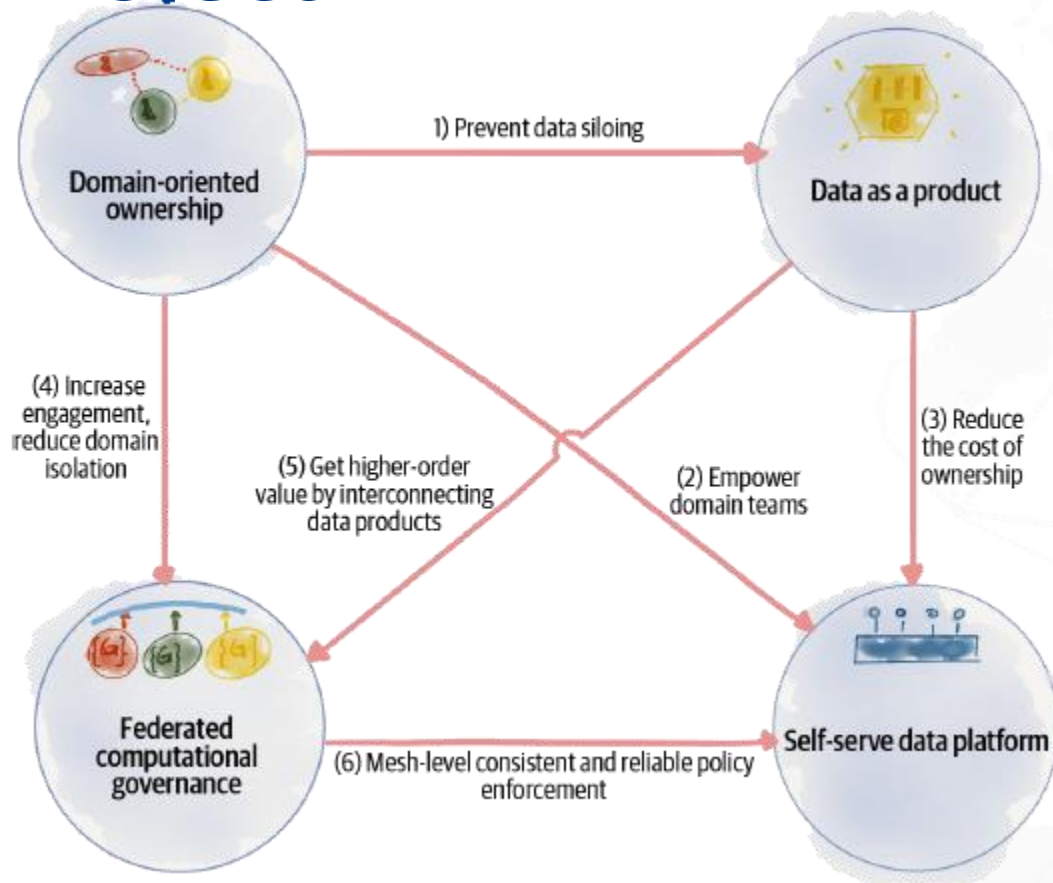


Image from "Data Mesh", by Zhamak Dehghani (O'Reilly, 2022)

**System Borders**

**Data Management**

- **Centralised or Distributed?**
- **Correlation?**
- **Data volumes and storage**

**Governance: Security and Privacy**

**Open standards & systems**

# Questions?