Critical path and next steps in project planning

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CTO
Global Forum, 2019
Missing Link in European Rail Network
4 Nations – One Railway

Major complexity

- Highly complex Project Management - plenty of stakeholders
- Major complexity in financing – inflexible mix of cohesion funds and state budgets
- Delayed benefits – investments needed far before achieving the actual benefits

Great opportunities

- Easy to build - greenfield with flat land and largely inhabited areas
- Innovation – Baltic nations generally open for new ideas
- Brainpower - excitement for engineers to contribute
- Environmental gains - are highly valued by population
- Strong support from EU
How do we implement Rail Baltica?

**Organization and Governance**
- Strong international core team in-house, close partnerships to deliver
- Prioritize according to Critical Path

**Technology and Innovation**
- Digital Rail Baltica: Simplify, Standardize, Visualize, Automate
- Leading Edge, but AVOID the “Bleeding Edge”

**Values and Core processes**
- Clear Vision, Do it Together, Trust each other
- Change/Interface/Risk Management

**Clean and Safe**
- Safety is a paramount. No one should get hurt on Rail Baltica
- Minimal environmental footprint. Thorough studies and environmentally friendly technologies to minimize the impact
Project Timeline by Phases

- Planning
- Design
- Construction
- Commissioning

Years:
- 2019
- 2020
- 2021
- 2022
- 2023
- 2024
- 2025
- 2026

Rail Baltica
Project Critical Path – Design Phase

Design
Project Critical Path – Design Phase

- Design Contracts
  - Value Engineering
  - Master Design
  - Detailed Tech Design
  - Special Plan (LT)
  - EIA (EE, LV, LT)
  - Land Acquisition (EE, LT, LV)

- Supervision Contracts
  - Supervision (NoBo, ASBO, ISA, FIDIC, TSI, …)

- Design
  - 2019
  - 2020
  - 2021
  - 2022
  - 2023
Project **Critical Path** – Construction Phase

- **Design**
- **Construction**
- **Commissioning**
Project Critical Path – Construction Phase

Construction Procurement

Construction Materials Procurement

Sub and Structure Construction

Superstructure Construction

Stations Construction

Freight Terminals Construction

Depo and Maintenance Facilities Construction

Design and Deployment of Systems, Signalling, Electrification

Supervision (NoBo, ASBO, ISA, FIDIC, TSI, …)

Construction

2020 2021 2022 2023 2024 2025 2026

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Project **Critical Path** – Commissioning Phase

Design

Construction

Commissioning

2019 2020 2021 2022 2023 2024 2025 2026

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Project Critical Path – Commissioning Phase

2019  2020  2021  2022  2023  2024  2025  2026

Commissioning
Project Critical Path – Commissioning Phase

- Procurement and Delivery of Rolling Stock
- Hiring and Education of Personnel
- Testing
- Commissioning

Supervision (NoBo, ASBO, ISA, FIDIC, TSI, …)

2023
2024
2025
2026

Rail Baltica
Rail Baltica - Transforming the society

Thank you!