

BIM IN THE RAIL BALTICA PROJECT:
PROMOTED PROGRESS IN THE MARKET
AND THE CHALLENGES

Jovita Starynina RB RAIL AS

BIM in the Rail Baltica project: promoted progress in the market and the challenges



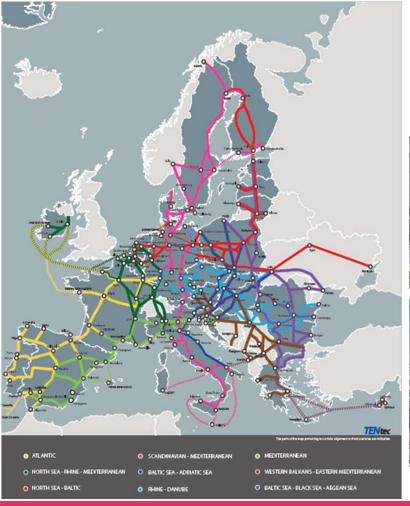
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Rail Baltica project of strategic importance





Part of the North Sea - Baltic Sea



Rail Baltica is also part of the European transport corridor Baltic Sea - Black Sea -Aegean Sea







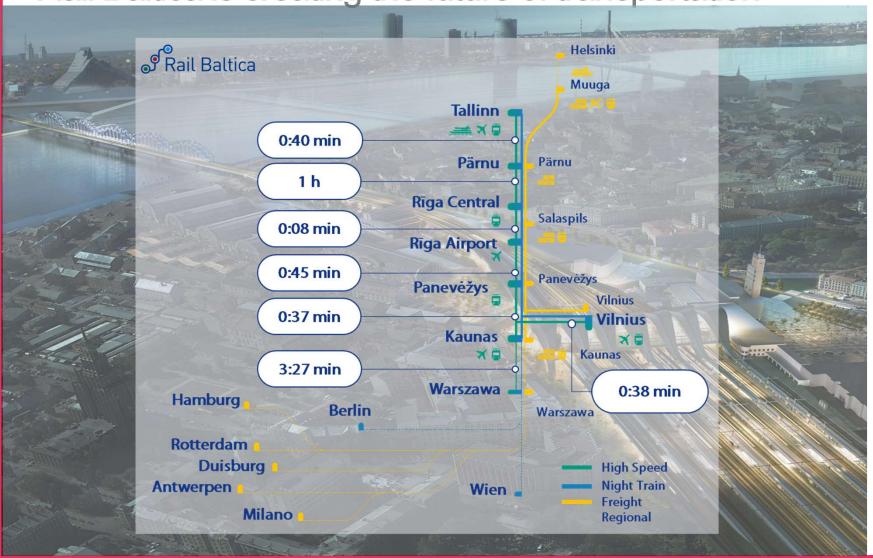




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Rail Baltica is creating the future of transportation

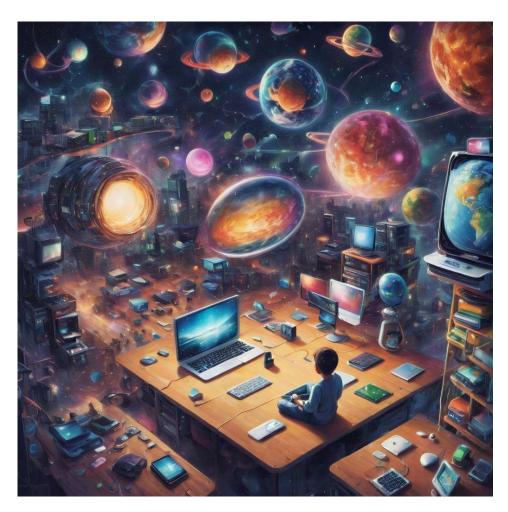


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BIM and Digital world



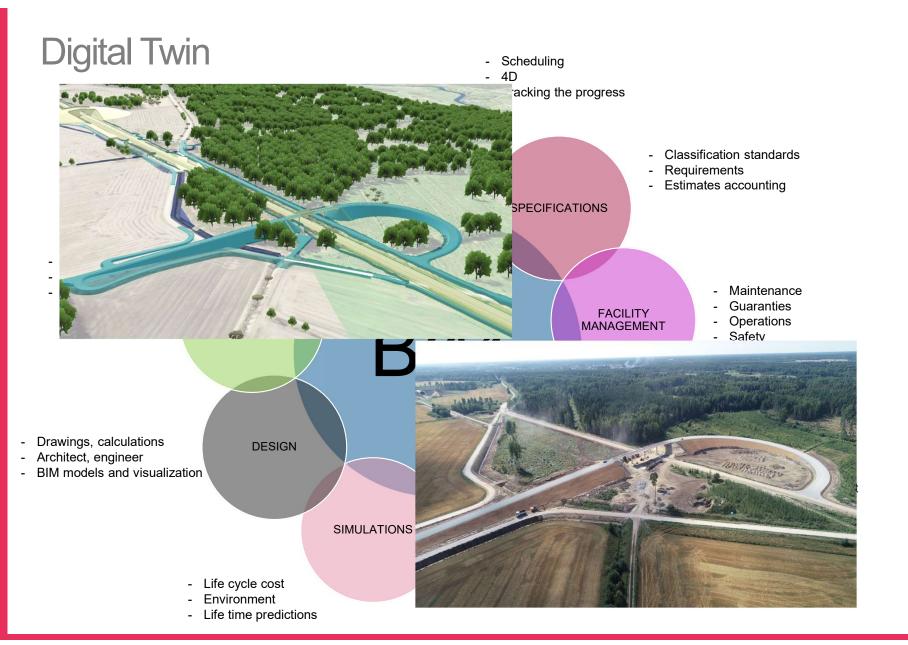
BIM – Building Information Management or Better Information (DATA) Management?

What is common between digital world and BIM:

- Data
- Technologies
- Internet
- Digital security
- Digital transformation



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Challenges - Requirements



Standards



Experience



Digital solutions



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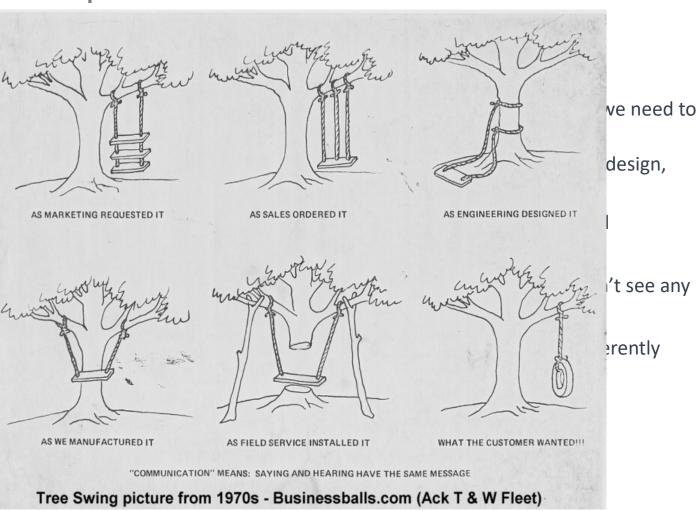
To answer Questions

- Why we need BIM?
- How to manage and transfer BIM data?
- Who will use it?

Challenges - People

Management

- You do YOUR BII
- Your BIM is caus
- I don't understa
- All worked fine v
- So what can I do



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't see any

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Challenges – how to make it work in long term?



Procurement



Teaching



Software solutions



Commitment



Changes



Collaboration



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BIM in Rail Baltica – Preparation stage



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BIM Tramework ***

BIM Strategy /

Software's A

Developed BIM Strategy framework

Sent a "BIM message" to the market

Detailed set of rules, including BIM Manual

Developing training material

Communication with industry's professionals

CDE and supporting technology implementation

GIS integration

AIM and scheduling solution integration

BIM in Rail Baltica – Implementation stage



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Design 💆

Construction

Operation and Maintenance

Developing and defining workflows

BEP, MIDP, TIDP

Work with designers to check and verify their work – software's, scripts Collecting and updating asset data

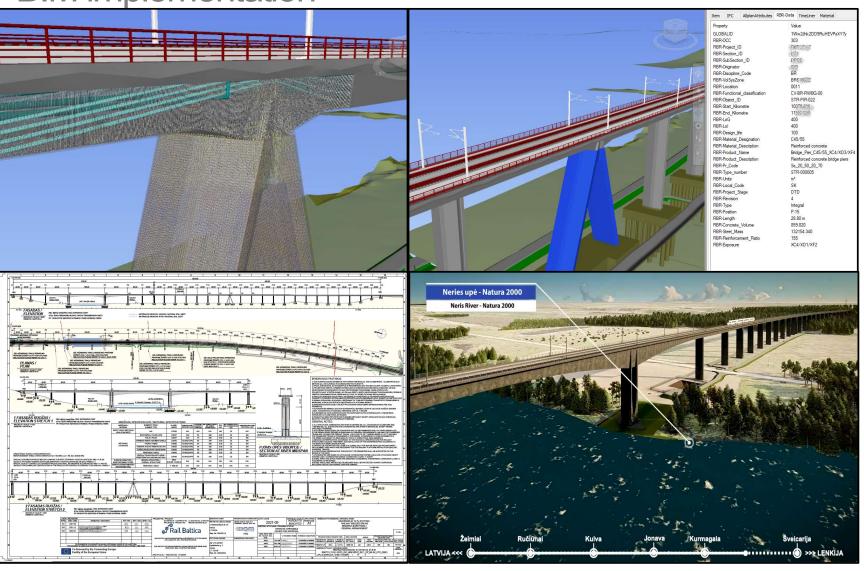
Using BIM models and data in construction

Educating construction sector

Handover of Project BIM data

Utilizing Project BIM data to manage assets

BIM implementation



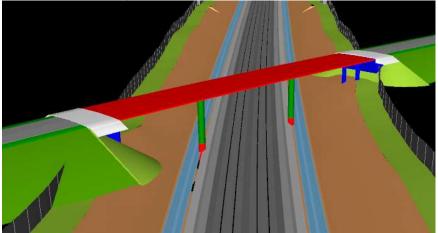
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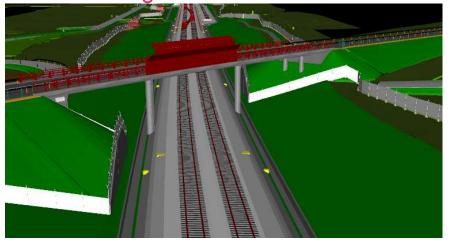
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BIM implementation - stages

Value Engineering



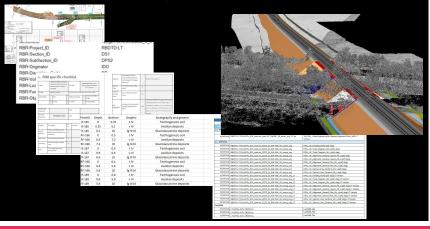
Master design



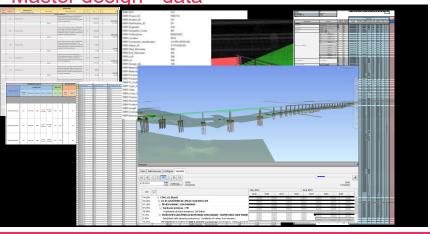
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Value Engineering -data



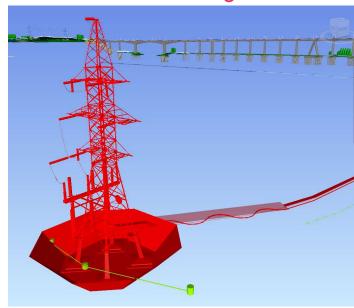
Master design - data

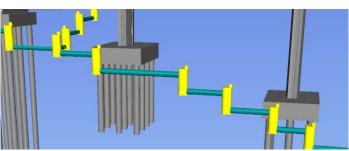


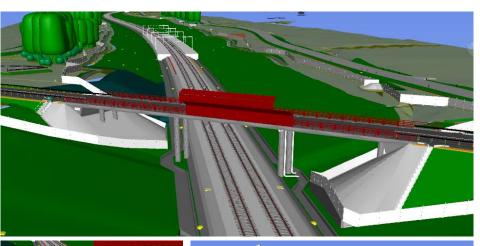
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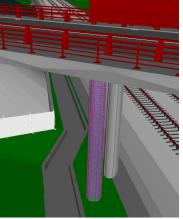
BIM implementation - stages

Detail Technical Design











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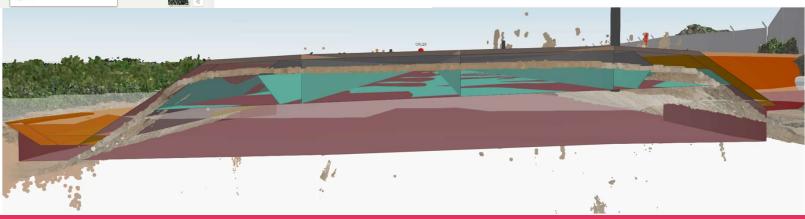
BIM implementation - stages

Construction





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BIM data analysis

Asset management

Public information



Apps for phones





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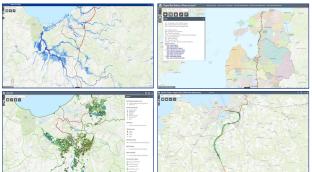






Special maps

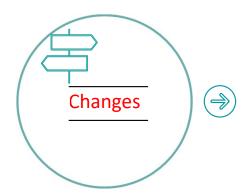




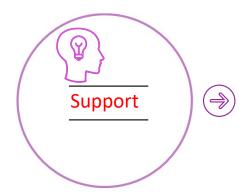
Digital Planning

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Conclusions



- BIM strategy
- Clear workflow to manage data
- Promote new technologies
- Clear requirements



- State legal requirements
- Team and management support
- Commitment from all stakeholders
- Growing together



- Long term digital vision
- Classification of data is important
- Digital data security
- Possibilities of digital data is unlimited



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Thank you



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