

VAP - Verband der verladenden Wirtschaft FORUM GÜTERVERKEHR

14. Mai 2025 in Zürich

Innovationen im Schienengüterverkehr

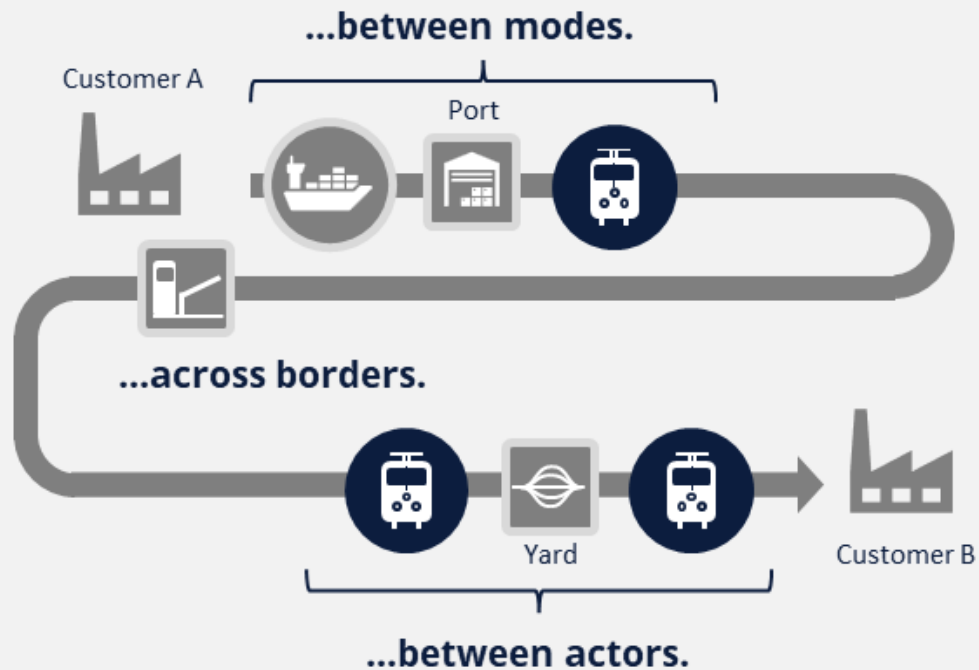
Entwicklungen für einen nahtlosen
- europäischen - Schienengüterverkehr

Lars Deiterding, Hacon / Siemens

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Seamless Rail Freight...



**Seamless planning
and dispatching**

**Intermodal
integration and
prediction**

Various developments like

- Seamless planning e.g. by integration of cross border & last mile planning functions
- Interfaces & functional interactions between Traffic Management Systems and yard/terminal systems for live operations
- Expert and AI-supported ETA predictions
- Standardised European Checkpoints
- Integrated Multimodal Transport Planners
- Harmonised data exchange framework enhancing data availability and quality

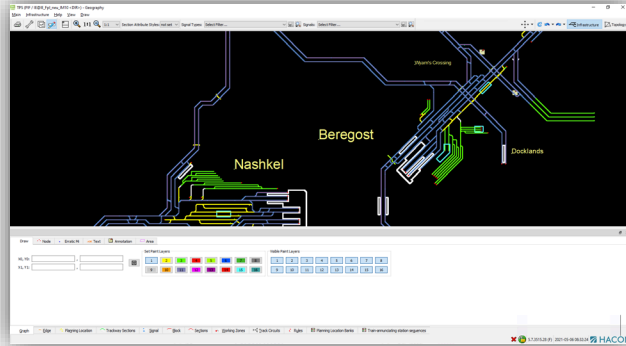
will be demonstrated in 2 showcases

- Seamless Corridor
- Seamless Multimodal

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TPS.plan



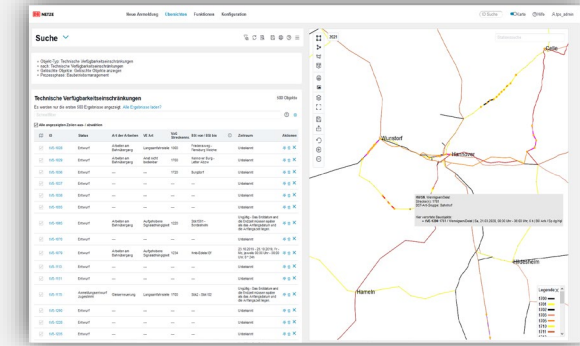
Create long- and short-term plans to allocate capacities and reduce conflicts early on

Provide real-time updates to the initial plan

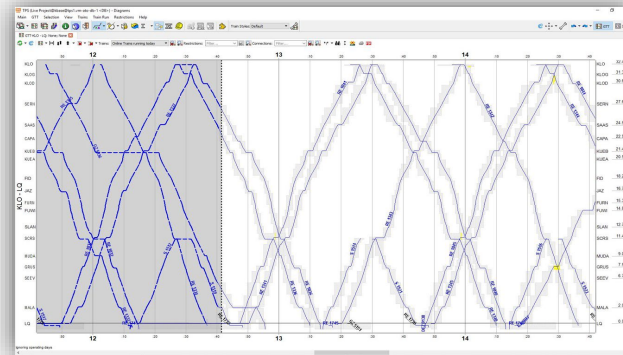
Provide infrastructure, rolling stock and timetable data

Coordinate construction sites across the network to reduce impact on operation

TPS.trackworks



Provide information on infrastructure restrictions due to construction sites

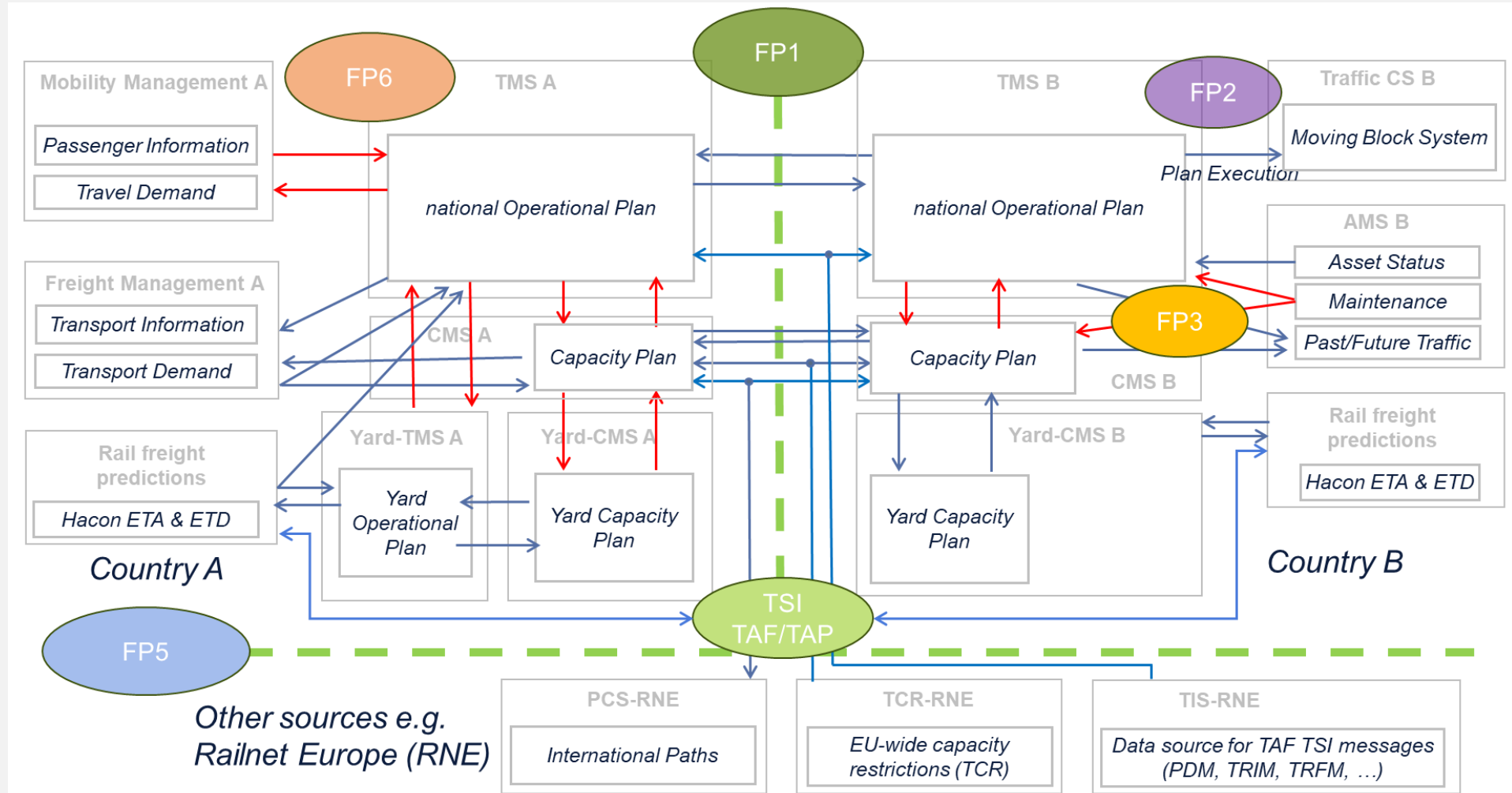


TPS.live

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EU-Rail System approach for European capacity planning and traffic management

- Considering a brown field landscape
- Enabling stakeholders to improve planning and operations
- Across borders and functional areas of the network
- Include state-of-the-art predictions to enable pro-active mitigation measures and better stakeholder/customer information



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Capturing logistic and maintenance data through a gate equipped with cameras and RFID reader

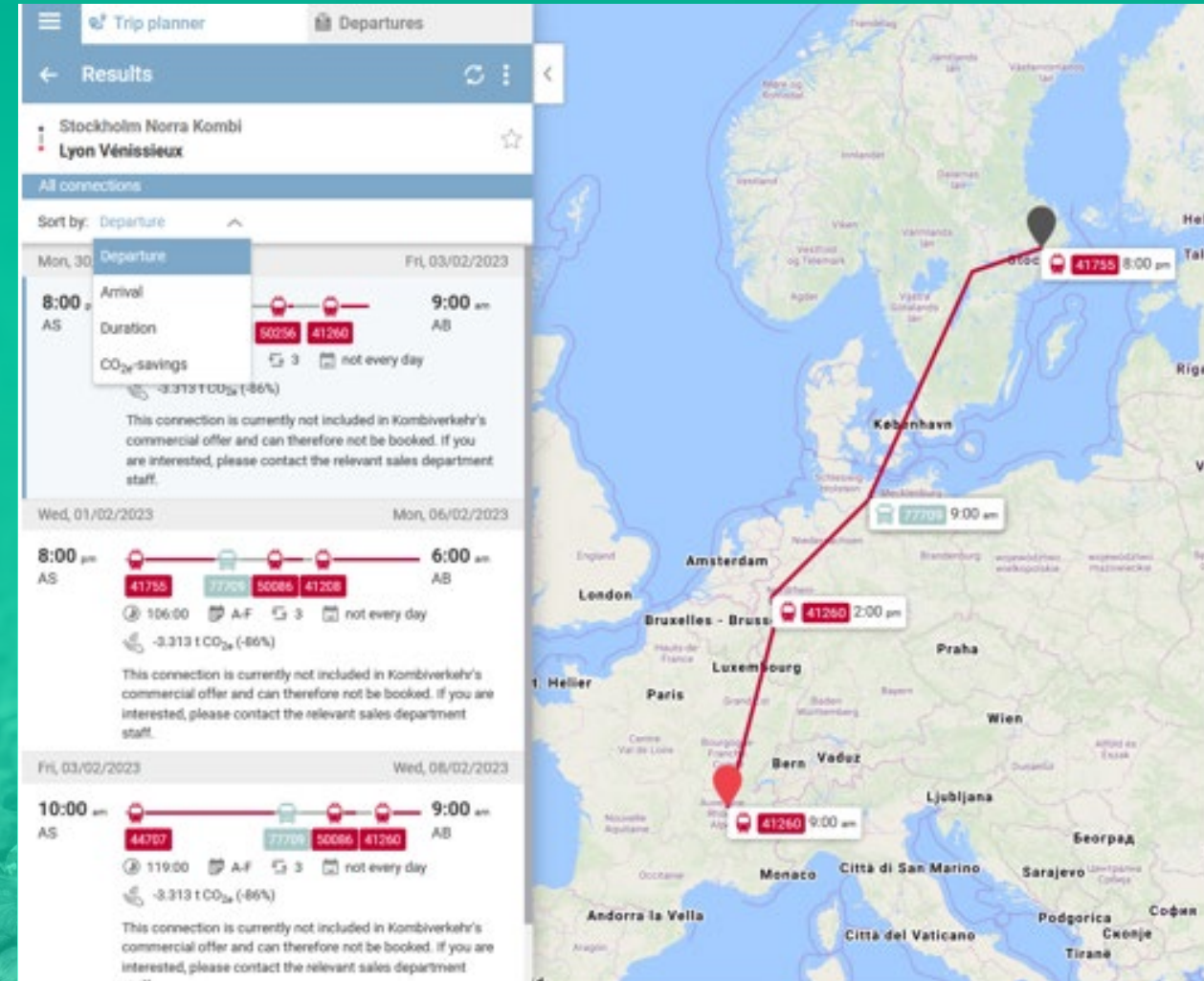
- Enabling stakeholders to improve operations and enhancing their offer to the market
- Implies less administrative burdens and enhanced customer information, operational efficiency and maintenance.

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Enable a system approach for integrated multimodal rail-based transport planning

- Use existing intermodal/multimodal transport planning systems and routing algorithms as state-of-the-art basis for further innovations
- Establish the new (voluntary) standard EDIGES as basis for any kind of solution, to ensure a cross-sector interoperability which is need to simplify and support the provision of rail-based transport offers in easy-to-use applications (reference are successful multimodal journey planers like DB Navigator, ÖBB Scotty, or similar)
- Establish interfaces/interactions between different kind of transport planning systems (routing, management, booking ...) from different suppliers.



➔ **Allowing users (shippers, forwarders, ..) to maximize the modal split towards rail**

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Contact



Lars Deiterding
Executive Director
Lister Straße 15
30163 Hannover

Lars.Deiterding@hacon.de
+49-171-3756073

Many thanks for your attention !

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