

# Railway Infrastructure - Asset Management

Online Event on [weTHINK.eu](https://wethink.eu)

**Topics:** Life Cycle Management (LCM), Life Cycle Costs (LCC), Sustainability, Proof of Economic Efficiency

**Focus:** Track Superstructure

**Presented by** Prof. Dr. Peter Veit, Graz University of Technology, Austria

**Participants:** Top Management (Technical and Business) of Railway Infrastructure Management Companies

**Date:** July 14, 2021 1000 to 1300 hrs

## Agenda:

Introduction	<a href="https://wethink.eu">wethink.eu</a>	10 minutes
Technical Sustainability	<b>Prof. Veit</b>	45 minutes
Discussion	<b>all</b>	15 minutes
Break		15 minutes
Economic Efficiency	<b>Prof. Veit</b>	45 minutes
Final discussion	<b>all</b>	15 minutes
Closing words/next steps		10 minutes
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Total		155 minutes

### Technical Sustainability

Increasing traffic pushes on track deterioration but also limits time for track work more and more. To overcome this problem further development of track must target more sustainable track components and track maintenance to reduce the demand of track possession without reducing track quality. This requires understanding of track deterioration, gained by time sequences of track data allowing forecasting of track behaviour and thus preventive maintenance.

### Economic Efficiency

R&D within track needs to present sustainable solutions which show a high economic efficiency. As track shows costs only, track strategies can be economically evaluated by comparing different options. Standard evaluations can be used as calculating the dynamic annual average costs. Dynamic methods are required due to the long service lives of track, annual average costs are used to enable comparing strategies with different service lives. Furthermore costs of non- or reduced availability due to either track work or due to speed restrictions caused by poor quality need to be taken into account for a proper evaluation of track component and/or track maintenance strategies. These methodologies will be presented theoretically and on real examples.

For further questions or details and registration, please contact: [stefan.dimitrijevic@wethink.eu](mailto:stefan.dimitrijevic@wethink.eu)

**We are looking forward to your participation.**

[Click here to register for the event](#)

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**Ingo Mayr-Knoch**

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**Prof. Dr. Peter Veit**

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