Composite Materials and Further Innovation Paths in the Railway Sector

15th December 2020 | 14.00-15.30 CET

presented by Rail.S SET4FUTURE
Welcome

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Agenda

14:00  Welcome and Introduction by Rail.S

14:10  “Structural lightweight components in railway vehicles using composite materials – chances and challenges”
Prof. Dr.-Ing. Andreas Ulbricht, Managing Director, CG Rail GmbH

14:35  “Maintain values – reliable non-destructive inspection of damaged large scale composite components on railway vehicles”
Marco Müller, Business Development, RCS GmbH Rail Components and Systems

15:00  Discussion & Interactive Brainstorming on future innovation topics in the railway sector
Your thematic input und ideas are welcome!

15.30  End
Before we start...

... please set your microphone in the **mute modus**.

... if you have any problems with the volume, then **join by phone**. You find the dial-in data in the mail with the access link. Note the “Global call-in numbers”.

... if you have any questions, please use the **chat function** or raise the **virtual hand**. After each speech we come back to the questions that have arisen.
Rail.S is the largest railway cluster in Central Germany

The rail industry in Saxony has a tradition of 175 years → In 1839, the first railway long-distance traffic line ran from Leipzig to Dresden.

Today, Saxony is one of the Top-3-centres for railway industry in Germany.

1 billion EUR revenues (20% of German rail industry revenues)

240 Saxon Rail Industry Companies with 13,000 Employees. The industry is dominated by the two production sites of Bombardier Transportation in Bautzen and Görlitz and a small and medium-sized rail supply industry active in all main segments of the rail industry (Rolling Stock, Infrastructure, Signalling):

25 Research Institutes and Universities active in the field of rail (e.g. University of Technology Dresden (with excellence label) and Fraunhofer – Europe’s largest application-oriented research organization)
ERCI network

- 15 railway clusters covering 17 European countries
- > 2,000 companies (of which 1,500 SMEs) under territorial care, universities, R&D organisations, education institutions, incubators, accelerators, …
“It’s all about bringing customers, suppliers and supply chain opportunities together”

- Shift2Rail Support / Partner matchmaking in R&D projects
- Support for small and medium-sized enterprises
- Annual ERCI Innovation Awards
- ERCI Taskforces on innovative topics, eg Cybersecurity
- Bilateral Workshops

https://eurailclusters.com
ERCI Innovation Awards 2021

• Regional application phase will start in Spring 2021.

• Each ERCI cluster can nominate up to 3 winning applications to the European contest.

• Awarding ceremony will take place in Autumn 2021.

• More information will follow soon → https://eurailclusters.com
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Online BUSINESS TALKS: virtual live impulse lectures
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The Innovation Cluster SET4FUTURE is co-financed with tax revenues on the basis of the budget adopted by the members of the Saxon State Parliament.