

Siemens Mobility and Tyczka Hydrogen cooperate in the hydrogen railway sector to provide end-to-end solutions for fuel cell trains

- Partnership of Siemens Mobility, Tyczka Hydrogen and Smart Train Lease will pave the way for a successful transformation of railways towards hydrogen mobility
- Customers to be offered hydrogen trains plus the full hydrogen supply chain including services

Hydrogen is one of the main technologies to decarbonize the railway sector by switching from fossil diesel to renewable fuels in particular on routes, which are hard to electrify. From the train operator perspective an integrated approach towards a fossil-free mobility does not only require hydrogen-powered trains and corresponding maintenance services but also needs to cover the entire supply chain for green hydrogen fuel. In April 2024 Siemens Mobility and Tyczka Hydrogen have signed a Letter of Intent (LoI) establishing a cooperation in order to accelerate the transformation towards hydrogen powered railway mobility. Both companies have agreed to work together towards solutions across the full supply chain including hydrogen production, storage, distribution and refueling as well as delivery and maintenance of fuel cell trains. Additionally, Smart Train Lease, a subsidiary of Siemens Mobility, offers hydrogen trains for rent.

Albrecht Neumann, CEO Rolling Stock at Siemens Mobility: “Delivering carbon neutral mobility as never been easier. With Siemens Mobility, Smart Train Lease and Tyczka, three strong partners are now working hand in hand for the first time to

serve the hydrogen rail market with new and alternative concepts along the value chain, such as offers for leasing trains as well as the corresponding hydrogen infrastructure and supply.”

Thomas Zorn, Managing Director, Tyczka Hydrogen: "Green hydrogen fuel is a great solution to decarbonize heavy-duty transport operations. Based on fast refuelling times and long driving ranges, multiple-unit trains can run environmentally friendly without excessive electrification investments and equal route flexibility as with diesel. Through close collaboration and a holistic approach by Tyczka Hydrogen, Siemens Mobility and Smart Train Lease, the implementation of fossil-free railway mobility becomes simpler for train operators.”

Benjamin Dobernecker, CEO Smart Train Lease GmbH: „Being smart means simplifying things and that includes offering our customers smart solutions for hydrogen infrastructure and Tyczka is the ideal partner for this.”

The partnership of Siemens Mobility, Tyczka Hydrogen and Smart Train Lease will pave the way for a successful transformation of railways towards hydrogen mobility.

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This press release and a press photo can be found at <https://sie.ag/4m5SzM>

Further information about Siemens Mobility GmbH is available here

www.siemens.de/mobility

and electrification, a comprehensive software portfolio, turnkey systems as well as related services. With digital products and solutions, Siemens Mobility is enabling mobility operators worldwide to make infrastructure intelligent, increase value sustainably over the entire lifecycle, enhance passenger experience and guarantee availability. In fiscal year 2023, which ended on September 30, 2023, Siemens Mobility posted revenue of €10.5 billion and employed around 39,800 people worldwide. Further information is available at: www.siemens.com/mobility

About Tyczka:

Tyczka is a European gases specialist focussing on industrial gases, LPG and hydrogen. The family-owned company with its headquarters in Geretsried near Munich employs over 630 people across Europe generating sales of ~ 500 million euros p.a.. The Hydrogen division bundles its activities in Tyczka Hydrogen GmbH, which covers the entire value chain from hydrogen production, compression and filling, transport and logistics to filling and application technology for customers.

Gases for tomorrow is Tyczka's guiding principle. With offerings such as green air gases, biogenic LPG, green hydrogen and technological solutions, we support our customers in making their processes and products more sustainable and thus make our contribution to a better world of tomorrow.

You can find more information about the company and its products at www.tyczka.com