

Saudi Arabia Railways (SAR) partners with Alstom to showcase the world's first passenger hydrogen train in the Kingdom of Saudi Arabia

- **World's first hydrogen-powered train demo in the Middle East and Africa**
- **Alstom's Coradia iLint train will be used for the demo in the Kingdom**
- **Saudi Arabia Railways (SAR) and Alstom highlight their commitment to sustainable mobility and carbon emission reduction in the Kingdom**

9 October 2023 – Saudi Arabia Railways (SAR), in partnership with Alstom, a global leader in smart and sustainable mobility, will operate and demonstrate the world's first passenger hydrogen-powered train, the Coradia iLint in Riyadh in the month of October. This ground-breaking demonstration marks the first-ever introduction of a hydrogen-powered train in the Middle East and Africa. The collaboration between SAR and Alstom signifies a strong focus by the Kingdom to identify and test innovative sustainable mobility solutions to reduce carbon emissions from transport and meet Vision 2030 targets set by the Kingdom's leadership.

The planned demonstration follows the memorandum of understanding signed by SAR and Alstom in September 2022 to develop or adapt hydrogen solutions for the needs of the Kingdom. Alstom's Coradia iLint, a hydrogen-powered passenger train will embark on a first-of-its-kind journey in the Kingdom, travelling 10 to 20 kilometres on Riyadh's East Network's Line 1 or Line 2.

Dr. Bashar Al-Malik, CEO of Saudi Arabia Railways (SAR), stated, "SAR is fully committed to its essential national role, implementing game-changing initiatives in line with our strategic framework, closely aligned with the National Transport and Logistics Strategy (NTLS)." He went on to emphasize the significance of the hydrogen train, declaring it to be one of the most crucial modern innovations in sustainable transportation. "Driven by emission-free energy generation, the hydrogen train offers a myriad of benefits, making it a compelling choice for sustainable energy solutions. Its positive impact spans across the environment, economy, and the future of generations to come."

"This is a remarkable milestone in the history of Saudi Arabia Railways and Alstom. Alstom is honoured to partner with SAR to showcase our hydrogen train in Riyadh. This collaboration signifies our shared commitment to sustainable transportation and our dedication to driving innovation in the railway industry. Hydrogen trains hold immense potential in reducing carbon emissions and providing a viable alternative to diesel trains for non-electrified lines. This is a major steppingstone in co-developing hydrogen-powered train systems for operations suitable for and meeting the increasing capacity need of the Kingdom and SAR networks. We are committed to working with SAR in their drive to support the Kingdom's engagements on clean energy and a net-zero target by 2060," said Mohamed Khalil, Managing Director of Alstom in Saudi Arabia.

The Coradia iLint is the world's first passenger train powered by hydrogen fuel cells that generate electrical energy for propulsion. Last year, the train travelled 1,175 km without refuelling its hydrogen tanks. This first zero direct CO₂ emission train is quiet and emits only water during operation, and features several innovations: clean energy conversion, flexible energy storage and smart management of the traction power and available energy. Alstom has developed hydrogen traction solutions across multiple platforms and has signed several contracts for hydrogen fuel cell-powered trains. The first two fleets started commercial passenger service in Germany last year.

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About Alstom

Alstom commits to contribute to a low carbon future by developing and promoting innovative and sustainable transportation solutions that people enjoy riding. From high-speed trains, metros, monorails, trams, to turnkey systems, services, infrastructure, signalling and digital mobility, Alstom offers its diverse customers the broadest portfolio in the industry. With its presence in 63 countries and a talent base of over 80,000 people from 175 nationalities, the company focuses its design, innovation, and project management skills to where mobility solutions are needed most. Listed in France, Alstom generated revenues of €16.5 billion for the fiscal year ending on 31 March 2023.

For more information, please visit www.alstom.com.

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