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Press

Siemens Mobility GmbH

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Siemens Mobility secures infrastructure and service contracts for Britain’s second high-speed rail line

- **Siemens Mobility has secured four contracts worth €670 million with HS2 Ltd for key infrastructure and long-term maintenance**
- **Premiere: First time Automatic Train Operations over ETCS is applied to national high-speed rail system**
- **HS2, one of Europe's largest infrastructure projects, will transform rail travel in Britain**

Siemens Mobility has been awarded four significant contracts by HS2 Ltd and will join key contractors under the Rail Systems Alliance. Siemens Mobility will play a crucial role in the delivery and operation of the new 225-kilometer-long British high-speed railway that will connect London and the West Midlands. For the first time, Siemens Mobility will implement wayside Automatic Train Operations (ATO) over the European Train Control System (ETCS) Level 2 on a high-speed network, enabling semi-automatic train operations (Grade of Automation 2) for improved capacity, punctuality and energy efficiency. Another contract focuses on an Engineering Management System that will enable real-time control and monitoring of railway equipment, ultimately enhancing reliability and efficiency. Siemens Mobility also formed a joint venture with Costain Ltd to deliver high voltage power supply systems along the HS2 route. Finally, Siemens Mobility will take charge of implementing Operational Telecommunications and Security Systems for the entire HS2 route. All awarded contracts are expected to commence in 2025 with a total order value of approximately 670 million Euros, including long-term maintenance agreement, and potentially including additional options.

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“HS2 is set to transform rail travel by offering faster and more reliable passenger journeys and freeing up freight paths in the UK. We are very proud to provide our wayside ATO over ETCS solution, enabling semi-automated train operations for improved capacity, punctuality, and energy efficiency on high-speed travel for the first time. Furthermore, we will deliver cutting-edge electrification technology and maintenance support for this groundbreaking project," **said Michael Peter, CEO of Siemens Mobility.** “HS2 will play a vital role in connecting the UK’s two largest cities and driving growth and sustainability nationwide. With our 5,500 UK employees, Siemens Mobility is fully committed to delivering advanced transportation solutions designed and built in Britain.”

Command, Control, Signaling & Traffic Management (CCS&TM)

Siemens Mobility will design, manufacture, supply, install, supervise, inspect, safety authorize, test, commission and maintain a state-of-the-art European Train Control System (ETCS) Level 2 signaling system and traffic management solution with wayside Automatic Train Operation at GoA2. Building on Siemens Mobility's successful signaling technology implemented in projects like Thameslink and the East Coast Digital Programme, this solution will eliminate the need for traditional signals along the tracks by providing digital signaling that feeds information directly to the train driver via a screen in their cab. This will improve operations and substantially simplify maintenance compared to conventional train control systems. Siemens Mobility will provide technical support services for the system for at least 15 years.

Engineering Management System

Siemens Mobility will design, manufacture, supply, install, integrate, test, commission and maintain an integrated Supervisory Control and Data Acquisition (SCADA) system that will enable real-time control and monitoring of railway equipment, ultimately enhancing reliability and efficiency, utilizing the companys technology and provision of maintenance and technical support. Siemens Mobility will leverage its 50 years of experience in delivering advanced SCADA systems from projects such as the Elizabeth line in London. Siemens Mobility will provide technical support services for the system for at least 15 years.

High voltage (HV) power supply systems

A Siemens Mobility and Costain joint venture will design, manufacture, supply, install, test, commission and maintain a high voltage power supply systems for the HS2 high-speed rail project. As part of the construction of HS2, traction and non-traction sub-stations will be built alongside the railway line. These sub-stations will play a critical role in facilitating the delivery of power from the National Grid to high-speed trains and other railway systems, ensuring their efficient and reliable operation. Siemens Mobility and Costain will provide maintenance services for the system for at least seven years.

Operational Telecommunications and Security Systems

Siemens Mobility will design, manufacture, supply, install, safety authorize, test, commission, and maintain an Operational Telecommunications and Security System along the HS2 route. This will provide Global System for Mobile Communications-Railway (GSM-R) secure, digital, wireless communications between drivers along the route. Passive provision will be made for an upgrade to the Future Railway Mobile Communication System (FRMCS). The company will provide technical support services for the system for at least eight years.

HS2: Set to transform rail travel in Britain

HS2, the new high-speed railway currently being constructed, is set to transform Britain’s transportation landscape. Spanning 225 kilometers, the line will connect London to Birmingham with a spur to Handsacre, connecting HS2 trains to other UK cities in the North West and beyond. As Britain's second purpose-built high-speed railway, HS2 follows in the footsteps of High Speed 1, which links London to the Channel Tunnel. HS2 will deliver faster and more efficient journeys, opening new possibilities for both business and leisure travel throughout the nation.

Siemens Mobility: Revolutionizing rail travel in the UK

With over 170 years of history in the UK, Siemens Mobility has been at the forefront to transform rail, travel, and transport. Employing approximately 5,500 people across over 30 sites, including manufacturing facilities in Ashby-de-la-Zouch, Leicestershire; Chippenham, Wiltshire; and Goole, East Yorkshire, the company is deeply committed to supporting local economies. Siemens Mobility leads in digital signaling technology and provides cutting-edge service solutions. In October, the company opened its €277 million Rail Village in Goole, a state-of-the-art facility

dedicated to manufacturing Piccadilly line trains and future UK fleets. As a trusted partner, Siemens Mobility continues to drive innovation, sustainability, and efficiency across the UK's transportation network.

This press release as well as press pictures are available at https://sie.ag/2x2fWf

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For further information about Siemens Mobility, please see:
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Siemens Mobility is a separately managed company of Siemens AG. As a leader in intelligent transport solutions for more than 175 years, Siemens Mobility is constantly innovating its portfolio. Its core areas include rolling stock, rail automation 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 2024, which ended on September 30, 2024, Siemens Mobility posted revenue of €11.4 billion and employed around 41,900 people worldwide. Further information is available at:
www.siemens.com/mobility