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Press

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RATP awarded Siemens with train control system for extension of metro line 14 on Grand Paris Express

- **Renewal and extension of Communications-Based Train Control system of metro line 14, the backbone of the Grand Paris Express**
- **Direct access to the Orly airport from the center of Paris**
- **Conjunction to the future metro lines 16 and 17**

Régie autonome des transports parisiens (RATP), the operator of the Paris metro in France, has placed an order with Siemens for the Communications-Based Train Control (CBTC) system of line 14. This line is the backbone of the Grand Paris Express, the planned new fully automated transit network for the French capital. It is the largest transport project in Europe and will support the development of the Greater Paris into a sustainable metropolitan area. The contract comprises the Grade of Automation 4 (GoA4) Trainguard MT CBTC and an option for maintenance services over the system's lifetime.

"RATP's continued trust in our CBTC solution demonstrates their commitment to meet the demands of Paris' and the Ile-de-France region's constant urban expansion through infrastructure refurbishments and extensions, helping retain the region's development in a sustainable way. It also ensures continued optimal operational performances, with an eight-car train every 85 seconds. With this new contract, Siemens will extend the backbone of the Grand Paris Express, enabling RATP to provide easier and more efficient connections for passengers more safely and comfortably" said Michael Peter, CEO of Siemens Mobility Division.

Thanks to its proven technology, Siemens is ensuring guaranteed availability,

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maximum throughput and enhanced passenger experience. The system is expected to go into operation in 2024. By then, the capacity of line 14 will benefit 40,000 passengers per hour and per direction, up from 30,000 today, making it the most frequented line of the Paris metro. It will allow passengers to travel directly between the Orly airport and the Paris city center and will serve the north of Paris through to the Saint-Denis Pleyel station.

The extended line 14 route will be 28 kilometers long with 21 stations. The work comprises replacing the existing CBTC system with a new one on the existing line sections and the existing 35 trains on-board. Furthermore, Siemens will install the CBTC system on the line extensions and on the whole fleet, which will increase to 72 trains in 2024. The contract also includes an operations control center and the implementation of a shared backup operations control center, with a training resource for the operators.

This press release and further material is available at
www.siemens.com/press/PR2018020181MOEN

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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At

the end of September 2017, the company had around 372,000 employees worldwide. Further information is available on the Internet at http://www.siemens.com