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UITP World Congress 2015, June 8-10, 2015 in Milan

Digitalization in public transport

Digitalization is one of the worldwide trends that are increasingly impacting and changing people's lives and work. In particular, mobility within and between cities will be increasingly shaped by this development. Siemens sees itself as a trailblazer for this trend and is centering its business strategy on digitalization, along with automation and electrification. To underscore this focus, this year's presentation of the Mobility Division at the UITP international public transport congress in Milan, Italy, fully reflects these three core competencies of Siemens.

"SMILE in the City" is the motto of this year's UITP World Congress. "SMILE" is the acronym of five keywords that represent the main thematic clusters of the Congress program: Sustainability, Mobility, Innovation, Lifestyle and Economy. Siemens has offerings and answers for each of these goals – whether it is with energy-saving regional trains, metros and trams; with mobility platforms and eTicketing for intermodal and networked mobility; or with innovations that make urban mobility intelligent, such as traffic information centers. Whether it's passenger information systems and vehicles that make public transport attractive and part of a modern lifestyle, or mobility systems that make cities more competitive and improve availability and productivity for their operators. At the UITP (hall 4, booth 4F150), Siemens' rail business is showing what electrification, automation and digitalization mean for mobility: availability, throughput and travel comfort.

Digitalized workflows ensure higher availability

High mileage, economic pressure and low operating reserves: these factors characterize the operation of rail vehicles in urban and long-distance transport these days. Under such circumstances, a high availability of trains for operations is of central importance and can be achieved only with optimized maintenance of the fleet. Siemens holds a leading position here in the rail industry in regard to delivering

and servicing trains – all from one hand.

Siemens' maintenance management is an interaction between depot-based, mobile and IT-supported services based on remote diagnostics. The company's service crews decide on what must be done before the train actually arrives at the depot. This is made possible by an intelligent analysis of the service data of both the vehicles themselves and the infrastructure. The digitalized workflows ensure an efficient decision-making process thanks to end-to-end data integration and a uniform user interface.

Automatic operations management for higher throughput

Public transport systems have to handle ever-larger passenger volumes, which is possible only by increasing throughput and reducing intervals between trains. This can be achieved with an automatic train control system in which vehicles and trackside equipment communicate via electronic data transmissions. As the market leader in the field of rail automation, Siemens offers proven technical solutions for partial and fully automatic operation of public rail transport systems. The proven train control system is supplemented by a new digital operations control system that registers unexpected disruptions in operation, such as blocked railway lines or delayed trains, and immediately integrates the information in the timetable while simultaneously informing passengers.

End-to-end mobility in public transport for enhanced travel comfort

Increasing the attractiveness of public rail transport is a central theme. With the help of digitalization, passenger comfort can be substantially enhanced. This not only includes service and information offerings in trains, but also billing or payment systems: Intermodality helps save time and simplifies mobility for users. The key here is intelligent and networked systems. Siemens has a broad portfolio that enables operators to provide an attractive service offering for their passengers.

Additional information on Siemens' presentation at the UITP 2015 is available at:

<http://www.siemens.com/press/UITP2015>

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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 more than 165 years. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is No. 1 in offshore wind turbine construction, a leading supplier of combined cycle turbines for power generation, a major provider of 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 2014, which ended on September 30, 2014, Siemens generated revenue from continuing operations of €71.9 billion and net income of €5.5 billion. At the end of September 2014, the company had around 343,000 employees worldwide on a continuing basis. Further information is available on the Internet at www.siemens.com.