New Mobility World 2017, Hall 3.1, Booth C39

Siemens at the New Mobility World 2017

- This year’s booth slogan: “Shaping future mobility systems – from understanding to optimizing”
- Efficient charging with high-power charging station and controller
- Intelligent communication system Sitraffic ESCoS Vehicle-to-X linking vehicles and infrastructure
- Radar technology for intelligent roads, smart parking and networking on freeways

From 14 to 17 September 2017, representatives from the worlds of politics and industry will be meeting at the New Mobility World to shape the future of mobility across industries. The event will be taking place within the context of the IAA 2017. Under the banner “Shaping future mobility systems – from understanding to optimizing,” Siemens will be exhibiting at Booth 39 in Hall 3.1 with an array of current applications and solutions surrounding the topics of charging technology for electric vehicles and intelligent communication systems linking vehicles and infrastructure. Siemens offers a wide range of products and solutions that help shape the future of mobility already today.

**Charging solutions for sustainable mobility**

Protection against climate change, opening up new markets and reducing dependency on fossil fuels – there is enormous potential waiting to be unleashed by the whole issue of electromobility. To help turn electric vehicles into one of the key building blocks of the energy transition, Siemens is making a valuable contribution with its charging stations. With a power level of 150 kilowatts, electric vehicles can be reliably charged within less than ten minutes with sufficient power for a range of 100 kilometers. Voltage levels of up to 920 volts mean that the charging stations are ideally placed to cope with current and future generations of electric vehicles, and
they are capable of charging up to three vehicles in parallel in compliance with the common charging standards CCS, CHAdeMO and Type 2. Integrated Siemens industrial components Sinamics DCP, Simatic S7 and charge controller ECC3200 provide the assurance of reliability and availability.

**New charging technology**

The new Simatic ET 200SP TM ECC charging module allows the requirements imposed on AC charging by the current standard IEC 61851-1 charging mode 3 to be linked to the benefits of Siemens automation systems, enabling scalable construction, cutting down the installation space required and allowing flexible adaptation to the purpose and location of the charging infrastructure. Integration into the Simatic ET 200SP allows use of the distributed IO system’s full functional spectrum to implement even complex and customized solutions such as load management, smart power distribution or the direct link-up of RFID and HMI devices.

**Intelligent digitalization of road systems**

With the volume of traffic on our highways and in our towns and cities continuously on the rise, the digitalization of road systems is of fundamental importance to economic growth and to our quality of life. This prompted Siemens to develop its Sitraffic ESCoS Vehicle-to-X technology: an intelligent communication system linking vehicles with the infrastructure and traffic control centers. This has a wide range of benefits to offer: As a cooperative traffic management system, Vehicle-to-X helps improve road safety and optimize the traffic flow, while reducing the incidence of accidents, congestion and tailbacks. The resulting reduction in environmental emissions means a sustainable improvement to the quality of life in built-up areas. Vehicle-to-X also supports automated and autonomous driving.

**Into the fast lane with radar technology**

Innovative radar technology from Siemens is set to enhance traffic automation and networking, helping to improve the flow of traffic and alleviate risk situations in real time. This is made possible by radar sensors which communicate directly with cars on the road. Because this technology allows more efficient, intelligent and safe use of the infrastructure, it will be possible for more vehicles to use the road system. This innovative technology is already undergoing exhaustive testing: On the A9 freeway in Bavaria, modern, pioneering systems and technologies are currently
being tested in actual operation. Radar sensors installed on street lights supply information about the occupancy of parking lots in Berlin’s inner city, making the often nerve-wracking task of finding a parking space easier for motorists. With its futuristic traffic concepts, Siemens is already setting standards for tomorrow’s mobility today.

This press release and a press picture are available at
www.siemens.com/press/PR2017090403PDEN

For further information on Siemens at the New Mobility World, please see

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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 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 2016, which ended on September 30, 2016, Siemens generated revenue of €79.6 billion and net income of €5.6 billion. At the end of September 2016, the company had around 351,000 employees worldwide. Further information is available on the Internet at www.siemens.com.