
ERICSSON TO BRING 5G TO BRAZIL

- Latin America's first test systems for 5G and IoT to be deployed in Brazil during 2016 together with América Móvil
- Supports Brazil's digital agenda to accelerate opportunities in areas such as health care, education, energy, agriculture and within new industry applications
- New 5G research projects announced with University of São Paulo, University of Campinas and Federal University of Ceará

In conjunction with Brazilian President Dilma Rousseff visiting Ericsson (NASDAQ:ERIC) Headquarters in Sweden today, the company announced it would further support Brazil in the realization of its digital agenda.

Hans Vestberg, President and CEO of Ericsson, said: "ICT can support the transformation of virtually all sectors of society as well as all industries. I am convinced the next generation of mobile broadband and the Internet of Things, enabled by 5G, will further accelerate the opportunities to advance in areas such as health care, education, energy services and agriculture, and within new industry applications."

As part of enabling Brazil's digital agenda, Ericsson together with América Móvil will bring the first 5G test system to Brazil during 2016. Ericsson's 5G test system is where innovation meets implementation, allowing telecom operators and ecosystem partners such as academic institutions, health care, energy and agriculture players to test 5G capabilities in a live network. In addition, Ericsson and América Móvil will also deploy a test system for Internet of Things (IoT), enabling Brazilian industries and the public sector to prepare for ICT transformation. The IoT test system will specifically focus on low battery consumption applications, such as low power sensors for remote areas.

Vestberg said: "For 5G, our focus is to understand how the systems will be used by both society and industries. To be ready with complete commercial networks in 2020, Ericsson is partnering with América Móvil for the first 5G test system in Brazil as a clear demonstration of our competitive advantage, and at the same time we are bringing research out of the labs and into live test networks."

"We have been part of Brazil's development since 1924, and I am proud that we continue to bring industry-leading technology in support of the country's further development."

In addition to previously announced 5G radio research with Federal University of Ceará (UFC), Ericsson today announced additional programs with the University of São Paulo (USP) and University of Campinas (UNICAMP) to be conducted in 2017:

- **Cyber-Physical Systems with USP and UNICAMP:** networks that communicate without human input; autonomous communications systems based on sensors. These could for example provide the foundation for road systems that communicate

with road authorities in case of emergency, weather systems that monitor road conditions, and self-driving cars.

- **MiMo (multiple-input multiple-output) with UFC:** transceiver design with multiple antennas on base stations and user terminals (MiMo) systems for 5G. The aim is to increase the capacity of current wireless communications systems. significantly. .
- **D2D (Intelligent radio resource allocation) with UFC:** control and provision Quality of Service in 5G systems. Using algorithms and radio resource allocation techniques, the idea is to enable higher bit rates and improved user satisfaction for 5G mobile communications systems.

With its unique experience of leadership in each generation of mobile networks, Ericsson is the technology leader and driver of the 5G evolution. Ericsson had the lead coordinator role for METIS I, laying the foundation for 5G, and continues in that role for METIS II, which leads the development and standardization of 5G. The company has a long tradition of collaboration and research, furthering the long-term development of communication technologies. Ericsson's radio test bed demonstrated 5Gbps back in 2014 – a world first – and the company is now commencing outdoor trials and measurements. The aim is full-scale commercial deployment by 2020.

With a global R&D organization, Ericsson leads the evolution of new technologies in close cooperation with leading technical universities and research institutes, including the ones in Brazil. The company also has strong track record in industry transformation and leads several global industry programs, the findings from which are applied to industries moving into digitalization around the world. With more than 37,000 granted patents, Ericsson has one of the industry's strongest portfolios.

NOTES TO EDITORS

Download high-resolution photos and broadcast-quality video at www.ericsson.com/press



Federal University of Ceará and Ericsson accelerate 5G development:
www.ericsson.com/ag/news/2014-06-07-ufc-en_254740125_c

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5G media kit: www.ericsson.com/thecompany/press/mediakits/5g

Ericsson is the driving force behind the Networked Society – a world leader in communications technology and services. Our long-term relationships with every major telecom operator in the world allow people, business and society to fulfill their potential and create a more sustainable future.

Our services, software and infrastructure – especially in mobility, broadband and the cloud – are enabling the telecom industry and other sectors to do better business, increase efficiency, improve the user experience and capture new opportunities.

With approximately 115,000 professionals and customers in 180 countries, we combine global scale with technology and services leadership. We support networks that connect more than 2.5 billion subscribers. Forty percent of the world's mobile traffic is carried over Ericsson networks. And our investments in research and development ensure that our solutions – and our customers – stay in front.

Founded in 1876, Ericsson has its headquarters in Stockholm, Sweden. Net sales in 2014 were SEK 228.0 billion (USD 33.1 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.

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