
ERICSSON SHOWCASES 5G, INTERNET OF THINGS AND CLOUD INNOVATION AT MWC 2016

- Ericsson experts to present a wide range of demonstrations, launches and seminars in Hall 2, Stand 2N60, Fira Gran Via
- Highlights include 5G radio prototypes, cellular IoT and cloud RAN demonstrations as well as Telehaptic control, 5G cloud robotics, connected water and future of autonomous driving to demonstrate future technology
- Visitors to experience hands-on demonstrations also in Networks, Transformative IT, Media, Industries and Networked Society areas

At Mobile World Congress (MWC) 2016, Ericsson (NASDAQ: ERIC) will demonstrate how it is shaping the Networked Society and turning great ideas into global realities.

From February 22 to February 25, 2016 in Barcelona, Spain, Ericsson's experts will present a wide range of demonstrations, launches and seminars. These will show how Ericsson is empowering people through technology, transforming industries to deliver more value, and advancing society through sustainable development.

Some highlights that can be experienced in Ericsson's hall (Hall 2, Stand 2N60, Fira Gran Via) at MWC 2016 include:

5G

- **5G radio prototypes:** Phase 2 of Ericsson's award-winning 5G Radio Test Bed, which includes 5G radio prototypes set for operator field trials in 2016, will be running live and delivering industry-leading performance with advanced features such as Massive MIMO and beam tracking.
- **5G for industries:** Ericsson works closely with partners to develop 5G networks that meet the demands of industrial applications. The results of these collaborations, along with concepts and prototypes supporting the ICT transformation of the manufacturing and automotive industries, will be presented.
- **Telehaptic control:** visitors can try out a prototype system for semi-autonomous, remote flying of radio-controlled helicopters. By adding haptic feedback to video and audio, users can feel the helicopter moving and interacting with its environment. The demonstration is part of Ericsson's ongoing research into industry transformation opportunities enabled by 5G networks.

- **Network slicing:** We create one network that can support multiple industries – and here we show how, with good reference to SK telecom and their aim to create a 5G ready core

Internet of Things (IoT)

- **Cellular IoT:** Ericsson's leading low power wide area (LPWA) cellular IoT solutions will be demonstrated live, including Narrowband IoT (NB-IoT), LTE-M (Cat M) and EC-EGPRS/EC-GSM (Extended Coverage) for Massive IoT applications. These solutions will also power industry demonstrations focused on utilities, transport and agriculture.
- **IoT solutions:** Ericsson will demonstrate how to build and efficiently manage IoT networks that combine devices connected directly to a 5G system with devices connected via short-range radio through capillary gateways, as well as live demonstration of Virtual Evolved Packet Core (EPC) for Massive IoT. A related presentation will show how forthcoming Bluetooth low energy mesh technology can be used for capillary connectivity in a smart home.

Cloud

- **Evolution to Hyperscale IT infrastructure:** The Ericsson Hyperscale Datacenter System 8000 – a new generation of datacenter system using disaggregated hardware architecture for better resource utilization – will be on show, together with the latest Ericsson cloud offerings.
- **Cloud RAN:** Ericsson's live Cloud RAN demonstration will include radio access functionality virtualized on remote COTS servers located in Sweden. Ericsson's new Elastic RAN architecture, which enables virtually limitless baseband interconnections, will also be featured.
- **The journey to NFV:** Ericsson will showcase its end-to-end role in the Network Functions Virtualization (NFV) story, including software-defined networking (SDN) and evolution to the 5G-ready core. Solutions on show include vEPC, vIMS and vUDC, as well as Ericsson Cloud Manager.

Further Ericsson highlights at MWC 2016 include:

Networks

- **Enriched VoLTE and Wi-Fi calling for multi-device:** Ericsson and Sony will demonstrate the latest consumer and enterprise communication services based on VoLTE. Ericsson will also demonstrate extension of voice services to tablets, computers and other personal devices in collaboration with its device partners.

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- **Gigabit LTE:** Network and device performance of up to 1Gbps will be demonstrated live, using a combination of 3 Component Carrier Aggregation, 4X4 MIMO and 256 QAM, and including interoperability with the latest devices. Ericsson Lean Carrier will also be demonstrated.
 - **Ericsson Radio System:** Three new radio access products supporting 4X4 MIMO, as well as new spectrum bands and spectrum refarming, will be demonstrated. New multi-gigabit capacities and multi-band microwave additions that address increasing backhaul requirements, as well as radio transport integration using Router 6000 will be on show.
 - **Indoor small cells:** Ericsson will demonstrate a new indoor radio planning tool designed to help operators dramatically reduce time-to-service for indoor solutions including the Ericsson Radio Dot System and Pico RBS.
 - **App Experience Optimization:** A new service will be presented that enables operators to understand which factors matter most to consumers, how to measure them and what actions to take to improve network performance where it counts.
 - **3G performance and efficiency:** Ericsson will feature 3G WCDMA innovations, including Flow of Users, Zero Touch and Intelligent Antenna Sharing, which make it faster and more cost-effective for operators to bring mobile broadband to everyone.

Transformative IT

- **Accelerating digital transformation:** BSS software to support agile digital operating models will be on show.

Media

- **Time-shifted video:** Ericsson will present a Cloud DVR solution that enables operators to move media storage and recording processes to a network operation center or the cloud.

Industries

- **Mobile financial services:** Ericsson's Interconnect solutions, which ensure interoperability between mobile wallet providers and established payment networks, will be demonstrated.
- **Smart and sustainable cities:** Industry solutions come together to address key urban agendas of safety, efficiency, resilience, growth and holistic planning.
- **Ericsson Emergency Response** – modern operations center capabilities to support emergency response agencies with efficient incident handling and inter-agency collaboration, across all mission-critical networks.

- **Solar car:** Ericsson will demonstrate how an application based on the Connected Traffic Cloud helped Solar Team Eindhoven's Stella Lux to win the Cruiser Class of the 2015 World Solar Challenge – a 3,000-kilometer race across the Australian outback.
- **Autonomous driving:** Ericsson is supporting Volvo Cars' Concept C26, which explores the media experience in autonomous vehicles, as well as the recently launched Volvo S90 and its industry-leading infotainment and connected services. Both will be on display.

NOTES TO EDITORS

[Ericsson at Mobile World Congress 2016](#)

During Mobile World Congress 2016, held February 22 to February 25, 2016 in Barcelona, Spain, Ericsson will showcase its unique industry insights, the latest innovation and inspirational discussions that enable powerful new business opportunities.

We are in the midst of the societal transformation we call the Networked Society: a society in which mobility, broadband and cloud empower every person and every industry to reach their full potential. Opportunity is everywhere, and companies are transforming according to the role they have chosen to play in the value chains and ecosystems of the Networked Society.

Join us in our Hall (Hall 2, Stand 2N60) to learn about 5G, the Internet of Things and cloud, and to discuss the impact digital transformation can have on people, business and society.

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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

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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 2015 were SEK 246.9 billion (USD 29.4 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.

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