



Press Release

27 September 2018

Ericsson and Telstra complete ground-breaking long-range NB-IoT connection

Ericsson (NASDAQ: ERIC) and Telstra have successfully deployed and tested Narrowband Internet of Things (NB-IoT) data connections up to 100km from a base-station in Telstra’s commercial network — the longest-range NB-IoT connection of its kind, and a key milestone towards increasing Telstra’s LTE footprint in rural and regional Australia.

The technology breakthrough, designed by Ericsson, extends the 3GPP standards-based limit from around 40km out to 100km and is activated entirely through software upgrades, with no changes required to [NB-IoT](#) devices. The innovation further cements Telstra’s leadership as Australia’s only operator and one of the first globally to offer both NB-IoT and Cat M1 technologies.

Telstra launched Cat M1 coverage in 2017 over an approximate three million square kilometers before deploying NB-IoT technology in its IoT network in January 2018. With this new capability, Telstra’s NB-IoT coverage increases to more than three and a half million square kilometers and will provide enhanced accessibility and reliability.

Channa Seneviratne, Telstra’s Executive Director, Network and Infrastructure Engineering, says: “Telstra already had Australia’s largest IoT coverage with Cat M1 across our 4G metro, regional and rural coverage footprint. With this NB-IoT extended range feature, we have now extended our coverage to more than three and a half million square kilometers, delivering our customers the best IoT coverage and capability in the country. Once again Telstra, working closely in partnership with Ericsson, has delivered innovation that ensures the benefits of IoT technology can be enjoyed by the largest number of Australians, not just those in the cities and towns.”

Emilio Romeo, Ericsson’s Managing Director Australia and New Zealand says: “This game-changing capability builds on Ericsson’s long history of delivering extended range cellular solutions. We’re partnering with Telstra to deliver its customers a world-leading capability in NB-IoT extended range cells and demonstrating the huge opportunity that IoT represents in



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rural and regional areas for both Australia and globally, particularly for logistics and agriculture.”

The extended range NB-IoT network capabilities were demonstrated on Telstra’s mobile network at the Telstra Vantage Conference held at the Melbourne Exhibition Centre on September 19-20, 2018.

The extended-range capability of Telstra’s mobile network was shown with a Captis NB-IoT temperature sensor, sourced from mIoT, located 94km from the Telstra base station on Mount Cenn Cruaich in New South Wales, Australia. The network’s ability to reach difficult urban locations was demonstrated with a Captis sensor from mIoT located three floors below ground level in an underground parking lot in central Sydney that was beyond the reach of regular LTE signals. A solar powered Metos weather station from Pessler Instruments was also on display reporting temperature, relative humidity, rain fall and leaf wetness.

NOTES TO EDITORS

[Ericsson and IoT](#)

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ABOUT ERICSSON

Ericsson enables communications service providers to capture the full value of connectivity. The company's portfolio spans Networks, Digital Services, Managed Services, and Emerging Business and is designed to help our customers go digital, increase efficiency and find new revenue streams. Ericsson's investments in innovation have delivered the benefits of telephony and mobile broadband to billions of people around the world. The Ericsson stock is listed on Nasdaq Stockholm and on Nasdaq New York. www.ericsson.com

About mIoT

mIoT is a company that manufactures the Captis range of cellular data loggers - devices that transmit measurements and readings from sensors and meters, to an IoT cloud platform which gathers and analyses the data, reporting or applying business rules for whatever the need. mIoT was established in 2017 and is a Madison Technologies company.

For more information on mIoT please visit www.miot.com.au

About Pessl Instruments

Pessl Instruments (PI), which is headquartered in Weiz, Austria, was founded in 1984 by current CEO Gottfried Pessl and has daughter companies in USA, Canada, Mexico, Brazil, LATAM, Ukraine, Spain, France, Italy, Poland, Turkey, South Africa, Portugal, Australia/NZ, Malaysia and does business in more than 80 countries. Pessl Instruments develops and distributes climate monitoring, agricultural risk – and irrigation management technology solutions for its farming customer base. Pessl Instruments products, which are globally distributed under the 'METOS®' brand, include weather stations, soil moisture monitoring devices, irrigation automation controllers, electronic insect traps, remote crop monitoring systems, disease and pest warning software, soil analytics and localized weather forecasts.

For more information on Pessl Instruments, please visit: www.pesslinstruments.com