

PRESS RELEASE

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Telefónica, Huawei and Kamstrup launch in Chile the first project with NarrowBand IoT technology in Latin America

- *The launch took place in Chile using real data from meters installed with residential customers*

Madrid, 15th February 2017.-Telefónica, Huawei and Kamstrup have successfully deployed their first project with real user's data using NarrowBand IoT technology (NB-IoT). One of the leading water utilities in Chile has successfully tested connectivity management of a telemetry solution for residential water meters.

Telemetry will allow clients to know their day-to-day use, will facilitate actual invoicing by avoiding estimated use, and will detect leaks and abnormal situations in the home as well as not invoiced water flows. It will also offer the water network operation teams information regarding provision to the end customers.

NB-IoT is a low-power wide-area network connectivity, focussed on adapting devices to the needs of the Internet of Things market (IoT), thus enabling increased battery life, appropriate use-specific cost, wide coverage and indoor penetration. At the same time, the technology will allow for great scalability and comprehensive security. NB-IoT has been used to accelerate the creation of a service adapted to the needs of water telemetry, resolving management of the communications network of which Telefónica takes charge. The collaboration with Huawei, one of the main driving forces in support of this technology, has enabled the launch of what is the first true NB-IoT experience in Latin America.

With the goal of promoting an open and participatory Internet of Things ecosystem, Telefónica has collaborated with two large companies in the sector. One is Kamstrup, which has provided the smart meters, while the other is Huawei, which has taken on the corresponding update to the NB-IoT network. Additionally, Telefónica Chile's R&D Centre, together with Huawei, was responsible for designing and planning the technical tests. This centre, a joint initiative between Telefónica and the Chilean government, specialises in developing technologies around IoT, particularly those associated with connectivity and low power networks, which are fundamental to sector development.

As Vicente Muñoz, Chief IoT Officer at Telefónica, explains: "we are proud to have united with Huawei and Kamstrup to launch this commercial pilot with NarrowBand IoT in Latin America. This affirms our commitment to using our network infrastructure to provide our clients with IoT solutions, as we adapt to each of our clients' needs".

Telefónica and the other companies that have participated in this first experimental client pilot plans are to expand in the near future to more than 300 residential water meters by reusing the 700 MHz LTE network and thereby demonstrating how public service companies can achieve efficient operations through IoT solutions.

Telefónica has been working for years now in the telemetry sector as applied to the public services sector. In 2013, O2, Telefónica's affiliate in the United Kingdom, was awarded a 1,500 million pound public contract with the United Kingdom's Department for Energy and Climate Change (DECC) for the roll out over 15 years of millions of smart meters and their ensuing connectivity management. Additionally, as a global leader in mobile communication and 4G deployment, the company is an active member in the 3GPP group thus promoting LPWA (Low Power Wide Area) technologies such as NarrowBand IoT and its standardisation in the sector.

About Telefónica IoT

[Telefonica IoT](#) is the Internet of Things global department at Telefónica, dedicated to developing and implementing IoT solutions in all industry segments. It offers its clients global end-to-end solutions around the world with the very best connectivity, and is available in all countries via its presence there or via roaming agreements and partnerships. Some of the main business areas covered by Telefónica IoT include Smart Mobility, Smart Retail and Smart Energy.

For more information about Telefónica IoT, visit iot.telefonica.com, or follow us on twitter [@telefonicaloT](https://twitter.com/telefonicaloT) or on [LinkedIn](#).

About Huawei:

Huawei is a leading global information and communications technology (ICT) solutions provider. Our aim is to enrich life and improve efficiency through a better connected world, acting as a responsible corporate citizen, innovative enabler for the information society, and collaborative contributor to the industry. Driven by customer-centric innovation and open partnerships, Huawei has established an end-to-end ICT solutions portfolio that gives customers competitive advantages in telecom and enterprise networks, devices and cloud computing. Huawei's 170,000 employees worldwide are committed to creating maximum value for telecom operators, enterprises and consumers. Our innovative ICT solutions, products and services are used in more than 170 countries and regions, serving over one-third of the world's population. Founded in 1987, Huawei is a private company fully owned by its employees.

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About Kamstrup

Kamstrup is a world-leading supplier of intelligent energy and water metering solutions.

Kamstrup, defines success by the progress they create for others. Superior technology and expertise have been the foundation from which to transform businesses and markets, by creating more efficient ways of working.

A hunger to always search for a better way of doing things has put Kamstrup at the cutting edge of the technological advancement of electricity, heat, cooling and water solutions. Working with energy and water

companies, utilities and submetering businesses to protect their reputations, creating new opportunities for growth and inspire smarter, more responsible solutions for the communities they serve.

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