

Cellnex and Global Omnium roll out an Internet of Things network in Burjassot and la Pobla de Farnals for overall water management

Adesal Telecom, the company owned by Cellnex and Global Omnium, operates and manages the maintenance of this IoT network, based on LoRa technology

Other types of services may be added to this IoT network, such as installing sensors in social housing units and car parks or smart management of waste collection

Valencia, 6 November 2020. Telecommunications infrastructure operator Cellnex Telecom and specialised water management company, Global Omnium, roll out an Internet of Things (IoT) network in the towns of Burjassot and la Pobla de Farnals in the Valencia region to facilitate overall water management to the public and/or private sector entities of these municipalities by installing sensors, data collection and transmission and providing an IoT platform for managing such data, which provide information in real time and remotely, so that they can act manually and/or automatically throughout the whole water cycle.

Adesal Telecom, a Valencia-based company owned by Cellnex and Global Omnium, is the responsible for operating and maintaining this IoT network, which is based on LoRa technology, that facilitate automatic detection of leaks - and preventive actions on these -, remote meter reading or digital customer service and electronic invoicing, among other services.

Internet of Things networks make it possible to simultaneously connect a large number of devices and systematically gather the data they generate in real time. The information collected, which can be seen via Cellnex's online data management platform, not only makes it easier to monitor these devices remotely, but also to take decisions – often preventive - and implement improvements throughout the entire cycle of this essential water resource, such as quality levels or reducing and optimising consumption.

Moreover, on this IoT network roll out and implemented in Burjassot and la Pobla de Farnals, other types of services that already exist in other cities can be added on. These include installing sensors in social housing, to monitor and improve the comfort and energy efficiency of these homes (which are especially designed for groups at risk of exclusion), installing sensors in car parks to optimise the use of public space, or smart management of waste collection using sensors in rubbish skips that detect when they are full, optimising collection routes.

More than two million devices connect daily to Cellnex IoT networks

Cellnex has extensive experience, especially in Spain - including the Balearic and Canary Islands - in the roll-out, maintenance and operation of multi-technology IoT networks to which more than 2 million objects are currently connected daily.

These networks stand out for their low bandwidth, long range, robustness and energy efficiency. They have a direct effect on situations in everyday life, such as traffic regulation, optimising urban resources or monitoring and geolocation in the logistics sector, among others.

Cellnex uses its Smartbrain platform and its wireless connectivity network infrastructures to provide access and secure transmission of the data collected using IoT sensors, Edge Computing systems or other information sources and systems.

This Cellnex IoT platform makes it possible to detect and efficiently manage all the needs of a city, providing reliable real-time information for better decision making. In addition, controlled and secure information access helps to foster open data use between the administration and the entrepreneurial ecosystem, boosting a spirit of innovation and the co-creation of new products and services.

About Adesal Telecom

Adesal Telecom was set up as a benchmark technology company to cooperate with and offer its services to the public administrations and private companies. Cellnex Telecom and Global Omnium hold stakes in the company, which focuses its activities on the telecommunications sector.

Its main areas of activity are Security and emergencies (fire, ambulances, law enforcement, etc), municipal wireless networks, managed services, mobile data solutions for law enforcement and emergencies and IoT services.

About Cellnex Telecom

Cellnex Telecom is Europe's leading operator of wireless telecommunications and broadcasting infrastructures with a portfolio of 61,000 sites including forecast roll-outs up to 2027. Cellnex operates in Spain, Italy, Netherlands, France, Switzerland, the United Kingdom, Ireland and now Portugal. Cellnex's business is structured in four major areas: telecommunication infrastructures services; audiovisual broadcasting networks; security and emergency service networks and solutions for smart urban infrastructure and services management (Smart cities and the Internet of Things (IoT)).

The company is listed on the continuous market of the Spanish stock exchange and is part of the selective IBEX 35 and EuroStoxx 600 indices. It is also part of the FTSE4GOOD and CDP (Carbon Disclosure Project) and "Standard Ethics" sustainability indexes. Cellnex's reference shareholders include ConneCT Due (Sintonia), with a 16.45% stake in the share capital, Azure Vista C 2020 (Infinity) holding 6.73% and Prisma Holdings (Raffles) holding 6.73%, as well as CriteriaCaixa, Blackrock, Wellington Management Group and Canada Pension Plan, which hold smaller stakes.

About Global Omnium

Global Omnium is the leading company in the management of the overall water cycle, which is currently present in 400 town and guarantees quality water to more than 7 million people throughout Spain and in different cities in Angola, Colombia, Ecuador, Qatar and Venezuela.

This company specialises in the development and implementation of technological solutions that guarantee efficient water and energy management. In addition, this organisation of 2,800 employees, manages 26 drinking water plants and 401 water treatment plants throughout Spain, making it an international reference in intelligent remote reading management, with more than 700,000 operating units.

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