



## **Orange Belgium new IoT Network reaches 100% coverage to support massive Internet of Things solutions**

The possibilities offered by the Internet of Things (IoT) are growing strongly in Belgium and throughout the world. In order to maintain its leadership on this market, Orange Belgium decided last year to invest in new IoT technologies based on international standards. Today Orange announces the availability of Narrow Band-IoT (NB-IoT) and LTE-M technologies, so called "Mobile IoT", on the whole Belgian territory, reaching nationwide coverage both indoors and outdoors.

The NB-IoT and LTE-M technologies are Low Power Wide Area (LPWA) cellular network layers that will allow millions of everyday objects to be connected to the Internet of Things (IoT). LPWA technologies offer many advantages when connecting objects to the Internet of Things, such as extending the battery life of the connected equipment by up to 10 years thanks to low energy consumption, or drastically reducing the cost of the radio modules inside the devices that need to be connected. Smart furniture, smart parking and asset tracking for instance become possible.

### **Orange turns Belgium into a Mobile IoT test lab by launching the first nationwide LPWA cellular network in Belgium**

Today Orange Belgium announces the nationwide roll-out of Mobile IoT on its network, as committed 1 year ago.

The Mobile IoT technologies bring a different approach to LPWA technologies. Apart from the extended battery life and the minimal cost of the radio modules, NB-IoT and LTE-M:

- also enable full bidirectional communication between the object and the network allowing firmware software updates over the air;
- have the best possible mobile coverage (up to +20dB compared to 2G/4G coverage), considerably improving signal penetration inside buildings;
- can rely on a guaranteed connectivity abroad (roaming) on other operators' Mobile IoT networks;
- And they are the safest solution for IoT connectivity as it operates in licensed spectrum. Moreover, the SIM card offers secure connections thanks to LTE networks' unique capabilities in terms of authenticating and encrypting the data in transit.

Gabriel Flichy, Chief Technology Officer of Orange Belgium, explains: "The choice for Mobile IoT technologies is future-proof as it is fully consistent with the future evolution towards 5G. It will then be possible to connect objects that require very high reliability e.g. for the remote control of critical devices and automation processes. Today we are already using our Mobile IoT network together with the Flemish government for a project with connected bikes in collaboration with our partners Huawei and Sensinx; IMEC is testing a smart plug project as part of Antwerp's City of Things program and we have teamed up with CommuniThings for smart parking solutions. We invite all application developers, system integrators and early adopters to test the advantages of Orange Mobile IoT network." More info via the website [business.orange.be/iotstarterskit](http://business.orange.be/iotstarterskit) or via [mobileiot@orange.be](mailto:mobileiot@orange.be)

Overall Mobile IoT will act as the catalyst for companies to establish connections that would not have been viable with existing technologies. Consumers will see a huge variety of new products, services and applications enabled by Mobile IoT.

#### **About Orange Belgium**

Orange Belgium is one of the leading telecommunication operators on the Belgian market, with over 3 million customers, and in Luxembourg through its subsidiary Orange Communications Luxembourg.

As a convergent actor, we provide mobile telecommunication services, internet and TV to private clients, as well as innovative mobile and fixed line services to businesses. Our high-performance mobile network supports 2G, 3G, 4G and 4G+ technology and is the subject of ongoing investments.

Orange Belgium is a subsidiary of the Orange Group, one of the leading European and African operators for mobile telephony and internet access, as well as one of the world leaders for telecommunication services to enterprises.

Orange Belgium is listed on the Brussels Stock Exchange (OBEL).

More information on: [corporate.orange.be](http://corporate.orange.be), [www.orange.be](http://www.orange.be) or follow us on Twitter : [@pressOrangeBe](https://twitter.com/pressOrangeBe).

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