

TELIA NB-IOT

THINGS JUST GOT REAL

NB-IoT provides low-data, low-power connectivity to deliver economies of scale – on a massive scale.

It was developed with low-data devices in mind, but it's certainly not IoT light; NB-IoT reaches further and penetrates deeper than existing IoT connectivity.

And because it's the standard being adopted by mobile operators around the world; NB-IoT is a technology with a future.

LOW POWER WIDE AREA

For applications that don't require a lot of data, why pay for it? NB-IoT sends small amounts of data at set time intervals. Data costs are lower, and due to mass adoption, module costs are in freefall too.

DEEP & BROAD REACH

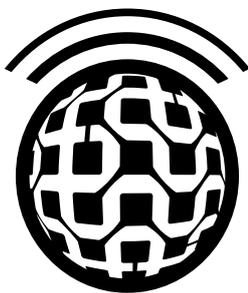
NB-IoT can go places other technologies can't. It penetrates deep inside buildings and under the ground. And because it connects sensors directly to the mobile network, you don't need a gateway.

LONG BATTERY LIFE

Batteries may be cheap, but replacing them isn't. NB-IoT is optimised for ultra-lower power usage which means 10 year battery life is now a reality. It all depends how you want to use it.

DEDICATED SPECTRUM

NB-IoT has a clear advantage over proprietary technologies that rely on shared spectrum. As the number of connected things increases, so will interference. In shared spectrum, this will increasingly require data to be re-sent – which will deplete batteries a lot faster than some of the promises flying around. With dedicated spectrum, you're in the clear.



NB-IoT™

A GLOBAL STANDARD

Mobile operators around the world have chosen NB-IoT as the standard for LPWA. This gives you the ability to commit flexibly. As your needs change, so might your operator. Because NB-IoT is a global standard, you'll be able to take it wherever you want to. And as more operators deploy it, you'll soon have a network covering most of the populated areas of the Earth.

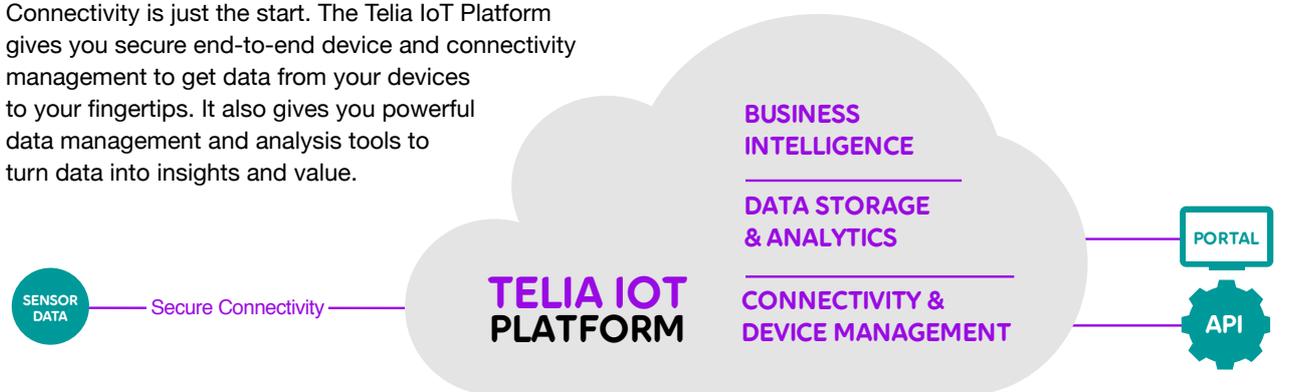


FOUNDATION OF 5G

The 3GPP has defined NB-IoT as part of the Massive Machine Type Communications (MMTC) component of 5G. It builds on the success of the established LTE standard and inherits its strong security features. This includes on-SIM authentication to mutually authenticate both network and device generate session keys for encrypting traffic between device and network. You could say it's an evolution of and evolution.

A PLATFORM TO BUILD ON

Connectivity is just the start. The Telia IoT Platform gives you secure end-to-end device and connectivity management to get data from your devices to your fingertips. It also gives you powerful data management and analysis tools to turn data into insights and value.



Sensors

Direct to cloud without a gateway. This means you put them almost anywhere

Connectivity

Telia's digital infrastructure delivers the greatest coverage and reliability in the Nordics & Baltics

End-to-End control

Store, access and manage your data with end-to-end security, reliability and control

Dashboard or API

Access your data via phone, tablet or PC
Or integrate into existing systems via an API

A NEW WORLD OF POSSIBILITIES

