

## Telia IoT Platform

# TURN DATA INTO VALUE



The Telio IoT Platform offers a comprehensive suite of IoT connectivity, management and insight capabilities. It combines best-of-breed technologies to give you speed to market and then keep you at the cutting edge of IoT.

### USE YOUR DATA

Telia IoT Platform you can put your world on a dashboard, which gives you real-time information to make informed decisions. But it can also send data directly to your other digital systems via an API – which makes really big things possible.

The ways IoT can be used can generally be separated into three areas:

#### MONITOR & CONTROL

Monitoring is the foundation of IoT: being able to see what's happening in the physical world through digital data sent from devices. Companies can continue to monitor how people use their products so they can make them better. This is being used today in the white goods, electronics, and automotive industries.

#### ANALYSE & UNDERSTAND

This is where things really start to get interesting. When you combine the data from your sensors with other data sources, you can start to optimise your operation and priorities your resources. This means you can drive costs down, increase your productivity, and reduce your environmental footprint.

#### PREDICT & MAINTAIN

The next level is not just to know what's happening, but to anticipate what's about to happen. It's the key to just-in-time maintenance & inventory management as well as maximising uptime and resource planning. Thanks to machine learning and statistics, a large set of data can produce valuable predictive analysis.

Whether it's data from your washing machine or traffic patterns at different times, the IoT solution can make insightful predictions. Use cases include predictive healthcare, predictive maintenance, proactive business models and supply/demand forecasts.

#### ENTERPRISE GRADE IOT

Telia's cloud-based IoT platform that lets you:

- manage your connectivity and devices
- generate reporting and delivers data storage
- provide the insight layer with analysis, customisable rules, alerts and data visualization

The whole system is easy to integrate, implement and manage. As well as your own customizable dashboards, we also provide open-standard APIs so you can connect them directly to your own systems.

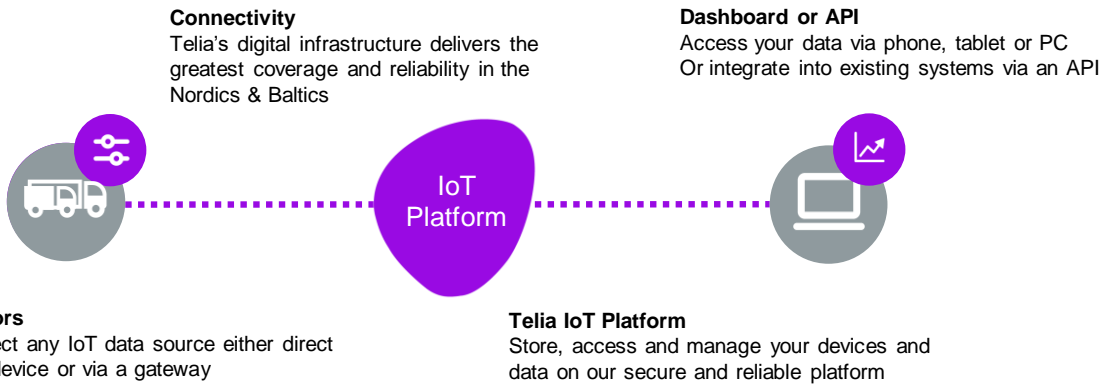
And what really sets it apart is that we can provide end-to-end security, reliability and 24/7 support. Because that's what enterprise-grade IoT means.



# ENDLESS OPPORTUNITIES

The Telia IoT platform service is divided into several separate systems, which makes it easy to configure IoT solutions depending on the level of maturity and needs. The Telia IoT platform is divided into the IoT stack and the IoT configuration platform, as well as subscription management and e-commerce.

- The IoT stack consists of fixed and wireless connectivity, storage, AI and advanced analytics of data, rules engine, business intelligence, portals, apps and APIs.
- The management platform is used to quickly and easily configure organizations, device management, services and solutions, subscriptions, billing, API's.
- The Telia IoT platform reduces the time for delivering IoT services to the market as IoT solutions can be configured on request.



**Customer Portal**

Access via Desktop, Mobile App and APIs. White label functionality with "Bring your own brand" to personalize and create your own IoT brand in the IoT platform.

**Dashboards**

Quickly create easily configurable dashboards to visualize analysed data and information.

**Management**

Telia IoT Platform can be done at all different levels within the IoT stack and subsystems for communication, users, IoT devices, provisioning, analysis and dashboards, subscriptions.

**Regional, local or global SIMs**

Leading telecom operator integration through Ericsson and Cisco Jasper.

**OTA**

Over The Air device software upgrade.

**Integration engine**

Management and integration of 3rd party APIs from leading actors in CRM, ERP, social networks, service management systems.

**Ruel engine**

Create powerful automation. Use triggers to activate various events in the IoT platform which generate real-time events, notifications and tasks.

**Industry Use Cases**

Built-in business applications for transport, buildings, energy industry, manufacturing industry, etc.

**Key performance indicators (KPI)**

Used to monitor and create increased productivity, efficiency and availability of smart connected products together with business intelligence

**AI and Analytics**

Enables Business Intelligence with advanced analytics and reports based on streamed data or file-based data from IoT devices stored in the data lake.