

# Realizing IoT solutions faster, with confidence: Fujitsu IoT Platform

Turning complexity into confidence



The Internet of Things (IoT) is an incredible enabler. But without the right platform behind it, an IoT solution can become just as complex as the problem it's meant to solve.

Our cloud-based platform simplifies and accelerates every stage of delivery, from design through to management – leaving you with a robust, high-performing solution.

With our platform in place you'll have everything you need to:

- Manage your network of sensors and devices
- Send, receive, collect, store and analyze the data they generate
- Turn that data into actionable insights, in real time.

## A solution specific to you

We believe solutions should always be focused on a business case. That's why we've created an offering that's modular, flexible and open. Simply select the services you need to achieve your particular aims.

## Driving business value

How you use the platform will depend on the solution you choose to deploy. But whatever tools our platform supports, it will always drive value in the following areas:

**Reducing time to market:** Our plug and play platform lets you build enterprise-class IoT solutions at speed, and because it's readily customizable, you can seize new opportunities as soon as they arise.

**Freeing your focus:** Our open architecture means there's no need to build new solutions from the ground up. So you can concentrate on how to apply your data rather than how you're going to collect it.

**Increasing your future readiness:** We recognize that innovation is a continual process. Whether you add new 'things', new data sets, new applications or scale up your usage, you can make changes whenever necessary.

## Core features

Our platform is all of the following:

- **An IoT control center:** See and control every aspect of your IoT solution through a single portal.
- **Where data becomes insight:** Collect and process data in real time, apply rules and act instantly.
- **Open to integration:** Utilize a wide range of sensors, devices, data sets and applications (including those supplied by third parties) through a common platform.
- **Scalable to meet your demands:** Add data sets and devices as and when you need to, knowing extra capacity from the cloud means performance won't be affected.
- **Secure on a granular level:** Set access privileges for individual pieces of data and enable secure data sharing with your partners.
- **Commercially flexible and capex-free:** Pay as you consume with predictable usage-based pricing that flexes according to your data volumes.

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## How it works

We don't just have a vision for how IoT should be delivered – we have the technology to back it up. The Fujitsu IoT platform is powered by the following functions:

**Service portal:** Provides a single, intuitive web-based interface – giving you visibility and control over your IoT environment and enabling effective configuration and management.

**Access control:** Limiting access to resources and the service portal to those users and systems that have permission and more importantly barring access to those who don't.

**Data management:** Governs how data is collected, where it's transferred to, how it's processed and where it's stored.

**Event function:** Enables actions to be triggered by applying a set of logical rules to data. For example, enabling email alerts or passing data to other applications.

**Dynamic resource controller:** Optimizes the collection of data based on the load being placed on the cloud, maximizing efficiency.

**Database:** Allows the flexible and secure storage of data in any form, from multiple sources, with the scalability to accommodate rapidly expanding data volumes.

**APIs:** Offers both inbound and outbound APIs, using standard IoT protocols (HTTP/HTTPS and MQTT/MQTTs). This simplifies integration with heterogeneous devices and applications.

## Use cases

Our platform can support an endless array of applications – it all depends on where your business sees opportunities to create value.

### Sensor based monitoring

When an organization has a duty of care regarding their users' wellbeing – be it a school, hospital or a similar institution – monitoring biometric data provides huge peace of mind for both parties.

Unobtrusive sensors, such as those in Fujitsu UBIQUITOUSWARE, can collect vital sign, location and operational data in real time – data that our platform turns into visualizations and alerts that allow for rapid responses.

### Visualizing operations

Many factories work using the doctrine of continuous improvement to optimize their processes. But it can be hard to know just how effective the changes you make are unless you have end-to-end visibility of your production line.

With IoT enabled sensors to aggregate data in the cloud, you can build a picture of exactly what's happening in your factory. Better yet, with our platform, it's quick and easy to analyze and share that information across your organization – making the case for improvements clear and engaging.

### Worker safety

When your employees face potentially hazardous environments, having to make important safety decisions onsite can be sub-optimal. By using sensors to monitor the situation and feedback to an offsite support team, you can enable a more objective, data driven decision making process.



## Why Fujitsu?

When you choose Fujitsu you get:

- **Combined IT and Operational Technology Expertise** - Fujitsu builds on its unique heritage as both a manufacturer and ICT services provider. We also have long-standing experience in M2M. It means we understand IT and OT worlds – giving us the insight and experience to deliver truly effective IoT solutions.
- **One platform to take your business places** - Unlike other platforms, Fujitsu's IoT platform offers all the functionality you need from a single platform – with the scale and global resilience to support you, wherever you operate.
- **Intelligent performance optimization** - Fujitsu's IoT platform features a dynamic resource controller that uniquely optimizes how data is collected to ensure even at times of high demand, critical data can be efficiently and effectively gathered.
- **Management of complexity on your behalf** - As an expert IoT solution integrator, we are well versed in the delivery of complex projects. We are able to handle multiple data sources, ensuring seamless integration of our IoT platform with your back-end systems – delivering a fully fit for purpose solution.
- **All the support you need** - Fujitsu can provide complete life-cycle management – helping plug resource and skills gaps – and freeing you to focus on where your IoT solution can deliver most value to your business. With our managed IoT solutions, we can enable your business while giving you peace of mind you're in safe hands.

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