



IoT Horizon - Smart Solutions for the future

IoT Horizon provides RFID and IoT Solutions. We can help provide consultancy in many areas including ID, Payment, Access Control and IOT.

About Us

We are a knowledgeable provider of RFID and IoT Solutions, having gained valuable experience over many years. Our team is passionate and driven to deliver on a range of small to large scale projects.

We are an enthusiastic company built to offer a high-level quality of service, almost as if we were one of your team. We pride ourselves on our collaborative ability and drive to achieve your goals. We enable organisations to understand what IoT and RFID is all about, and help you to optimise your products and services, to improve efficiencies and create new revenue streams in the Digital World.

Consultancy Services

At IoT Horizon we provide a range of consultancy services to customers in the UK and across the world. We help customers to define their own IoT use and create IoT business cases; we want to connect 'the dots' for you.

We can provide consultancy in the fields of but not limited to:

- IoT - helping with proof of concept, product design and build, this includes cloud services and security
- Strategic Consultancy - helping to design new revenue streams from products
- Technology and IT including NFC and Beacon technology

Solutions

Real Time Asset Management

All organisations have assets that they need to monitor. This can include both physical assets, as well as people.

Tracking of assets can be done using technology such as RFID, Bluetooth and other active devices. This can save companies time and money, as well as demonstrate the professionalism of your processes and systems. We can also help with tag selection, which will cover memory, chip and affixation. There will be a requirement for software and readers, which we can also help with, including both cloud and mobile solutions.

Mobile Apps

We can help with mobile app development to include NFC, Biometric and BLE Beacon technology.

This can include an app to help with Identity of an individual or to help users navigate around a building (Wayfinding).

Loyalty apps can be designed on mobile to work with beacons, so that consumers get personalised information as they enter shops and other attractions.

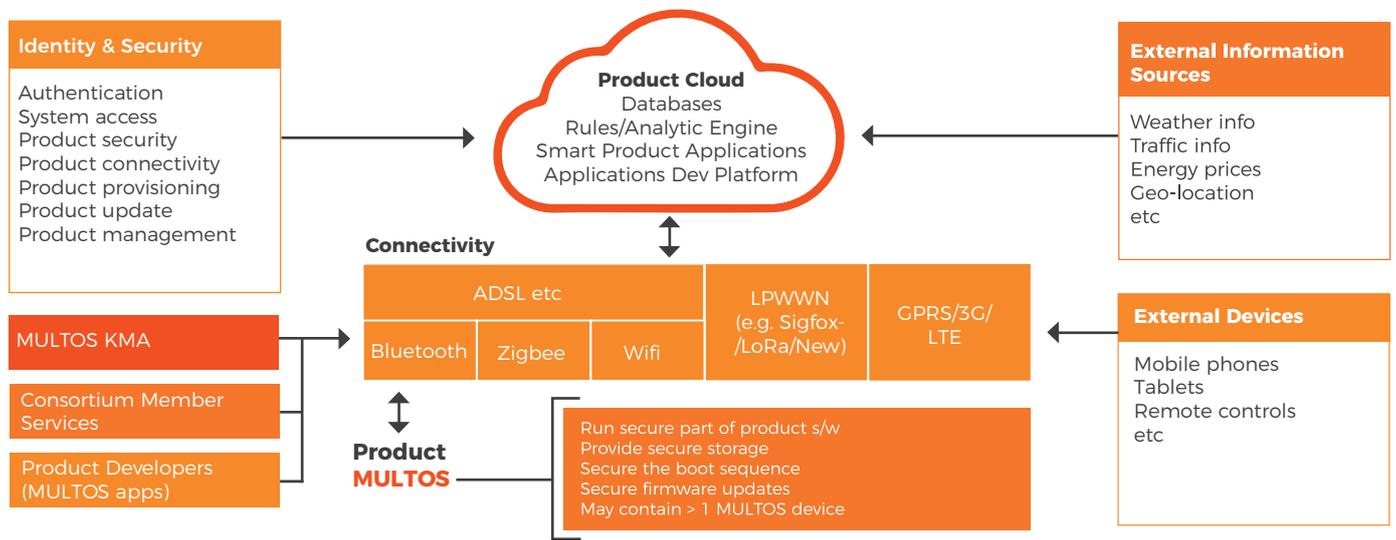
We would be happy to help design your application to suit your needs.

Contact us

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MULTOS

MULTOS technology delivers high security, interoperable platforms for any application. MULTOS consists of two unique technologies that deliver the secure architecture - the on-chip virtual machine that executes applications and the MULTOS security scheme that protects the chip, application code and application data.

Physical Access Control

Access Control is typically comprised of readers to read cards and other credentials, controllers to open and close doors and software to manage the solution.

Selecting the right Access Control Solution can be a real minefield for customers with the plethora of options that are available. Traditional Access Control did not use IP networks in the past and readers could not be powered over IP. There is much change in the industry and IT Security is converging with Physical Security.

Beacon Technology

At IoT Horizon we can help with the installation of beacons for your work environment to assist with things such as asset tracking, workforce optimisation and condition monitoring.

We can also help with the design, development and production of custom beacons to suit your needs. These beacons can be powered from an external source or a CR2016 battery, making them less than 3mm thick.

Our beacons can be fully integrated into your existing electronics system and provide useful data to be analysed in the cloud. We can also assist with the production of mobile apps to complement the data provided by the beacon technology to provide for alerts, advertisements or workflow management.

This complete-solution ability allows for the integration of beacon technology into your establishment quickly and easily.

NFC Trusted Tag Solution

We can provide secure, realtime management information, verifiable proof of presence and reliable audit trails, with no risk of manipulation. This can be achieved by using a NFC Tag that uses a OTP (one-time passcode) every time it is tapped with an NFC device, such as a smart phone or tablet.

This OTP is validated by a back-end system and then access given to the cloud. This would give companies and its customers confidence that the tag is genuine and that it has not been cloned. As the tag is used in conjunction with mobiles the system allows use of Geo Positioning (GPS) technology.

Once connected to the cloud back end the users features include:

- Mapping workflows for commissioning (installation)
- Maintenance visits- finding out about the details of the product, showing its description, picture, warranty dates, last serviced date and who did the service.
- Information about the products such as videos and documents
- Maintenance reports
- Logistics

Key features & benefits

- No need for additional readers and other equipment; eliminates related software development costs.
- Trusted tags are available in a variety of form factors and can be attached to or embedded into nearly any object.
- Services provide "small data analytics" about each transaction, delivering deeper insights into consumer behaviours.
- Data read from trusted tags has additional security and privacy attributes that change on every tap, making the taps unclonable.
- Services also enable authentication and brand protection, global supply chain management and a wide variety of additional Internet of Things (IoT) applications.