

IoT

Agriculture

Farming and Fisheries have seen an increase in the cost of production, variable climatically conditions and staffing shortages.

IoT is helping mitigate many different areas and is driving developments in crop yield and animal and staff welfare.



The challenge for the Agricultural Industry

With Global warming, low yields due to climatically conditions, staff shortages and increased competition from overseas, the agriculture and fisheries industry need help. Adopting IoT in to every aspect of the industry is helping drive the industry become "Smart Agriculture".

How IoT technology is improving, enabling and benefitting The Agricultural industry



Data Collection

Soil condition, weather, crop growth progress and livestock welfare can all be tracked in real time by the adoption of IoT into the process. Staff performance and future planning will enable owners to plan ahead and drive costs down and yields up.



Increased product quality & volumes

Product quality, higher volumes can be expected when adopting IoT to assist in the calculations for livestock feeding, irrigation timing and volumes, waste management and livestock, crop and employee health and welfare.



Lower Production risks

IoT applications and sensors can help provide foresight into the output of production. Yield quantities, product distribution and harvest timelines will be streamlined, to shorten the seed to market timeline.



Reduced environmental Impact

Adding automation to the whole process, will significantly reduce the environmental footprint in agriculture and fisheries. Targeted lumber harvesting at specific times and locations, reduction of fertilizers and pesticides and smart farming methods, all assist in the reduction of greenhouse gas emissions.

What is a Agricultural Industry IoT Solution?

Here are the 3 key elements:

THE HARDWARE

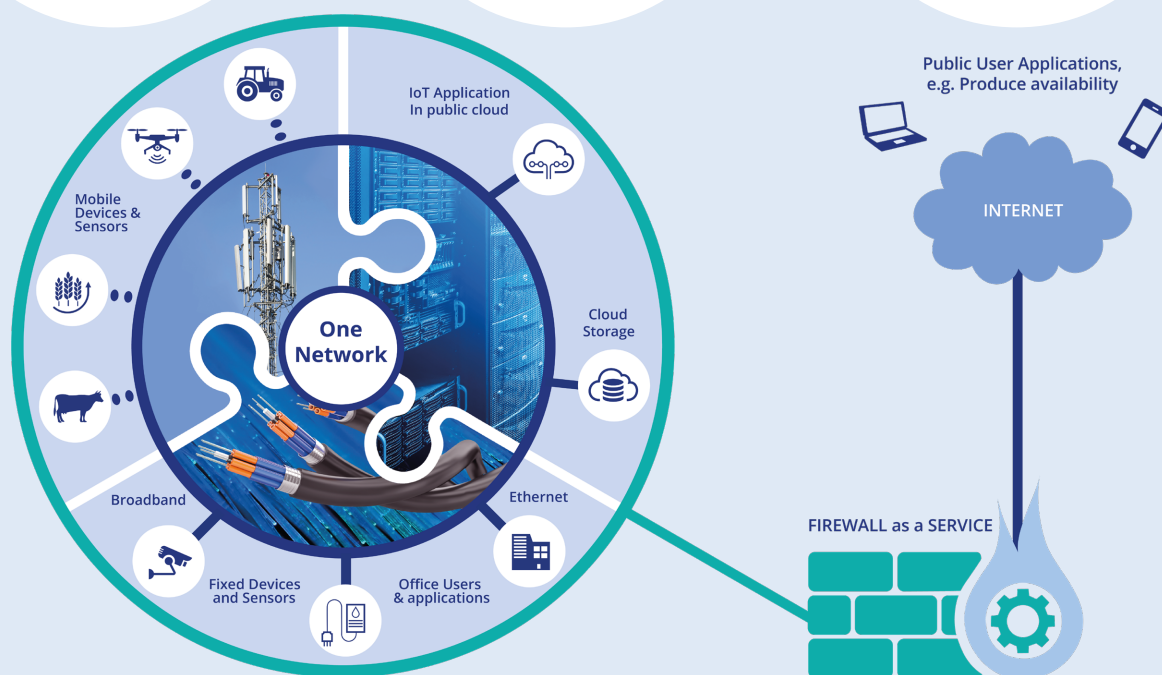
Sensors, devices and SIMs installed around the city to collect and record raw data.

THE CONNECTIVITY

The link between the hardware devices and the cloud based software applications using intelligent networking and data connectivity.

THE APPLICATION

Smart applications and data analytics which translates raw data into information, alerts and action presented in a management platform.



Let Spitfire simplify the process by offering a secure private MPLS network for your IoT solution, significantly reducing the time spent configuring and securing your data network:

- Highly secure by avoiding public internet traversal
- MPLS / Private APN networks available
- Fixed public and private IP addresses
- Avoid need for encryption
- Single provider for all connectivity
- Flexible pricing plans
- Single bill and point of contact
- Easy to manage and support

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