

IoT

## Logistics

Increasing transportation costs, warehousing energy costs, security and theft, and inventory management costs, are all adding to the challenges faced by the Logistics Industry.



### The challenge for the Logistics Industry

The use of technology in the logistics industry is not new however, deploying the IoT solutions can help reduce transportation cost, reduce inventory holding to facilitate smaller more efficient warehouses and maximise employee time efficiency. The delivery of supplier product to end users can be monitored in real time reducing cost and facilitating "just in time" deliveries.

### How IoT technology is improving, enabling and benefitting the Logistics industry



#### Warehouse stock levels

Using connected sensors, company owners will be able to ensure products are safely stored, can be instantly located and will be able to minimise human interaction. This will ensure stock levels are accurate and no over stocking take place.



#### Environmental Conditions

Condition like bad weather, too much heat or cold can have devastating implications on some products. IoT sensors can predict and react to changes in real time.



#### Warehouse conditions

IoT smart devices can be used not only to maintain staff safety but also the performance of the location. Climatically condition can be maintained for the longevity of products without exposing staff to unforeseen conditions.



#### Employee and fleet performance

Employees health can be monitored for safety, transport equipment can be utilised a peak performance, all adding to reduced costs, "Just in Time" stock levels and reduced staff absence..

### What is a Logistics Industry IoT Solution?

Here are the 3 key elements:

#### THE HARDWARE

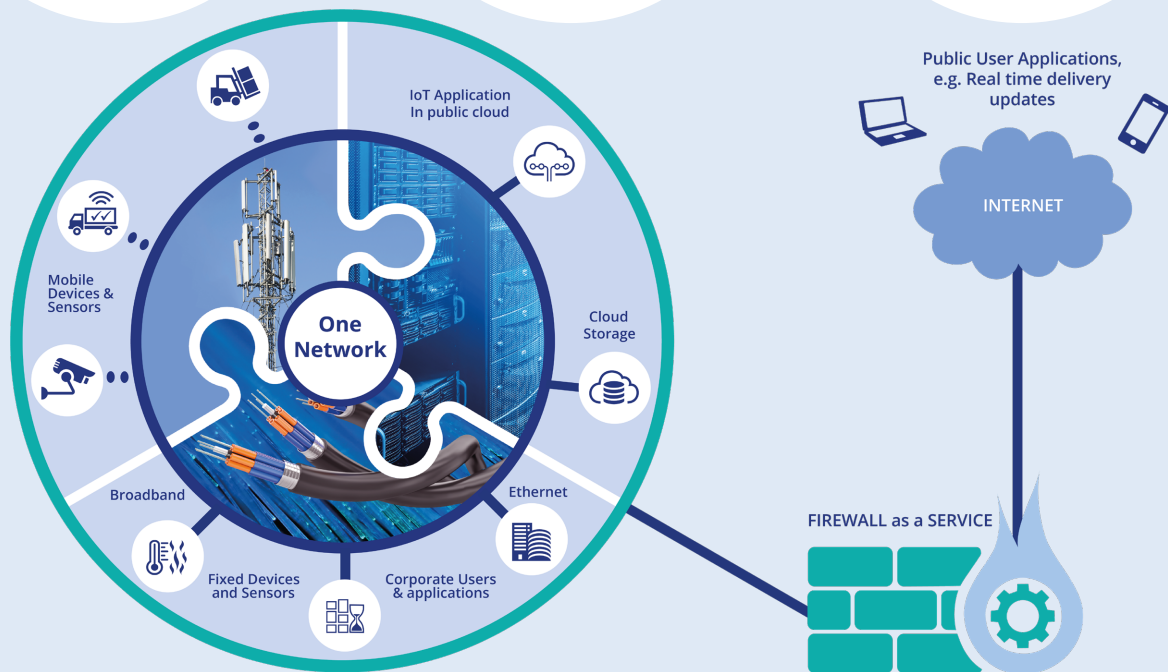
Sensors, devices and SIMs installed around the city to collect and record raw data.

#### 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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