



SENSOR AGNOSTIC

Integrate any sensor into common data and visualisation interfaces

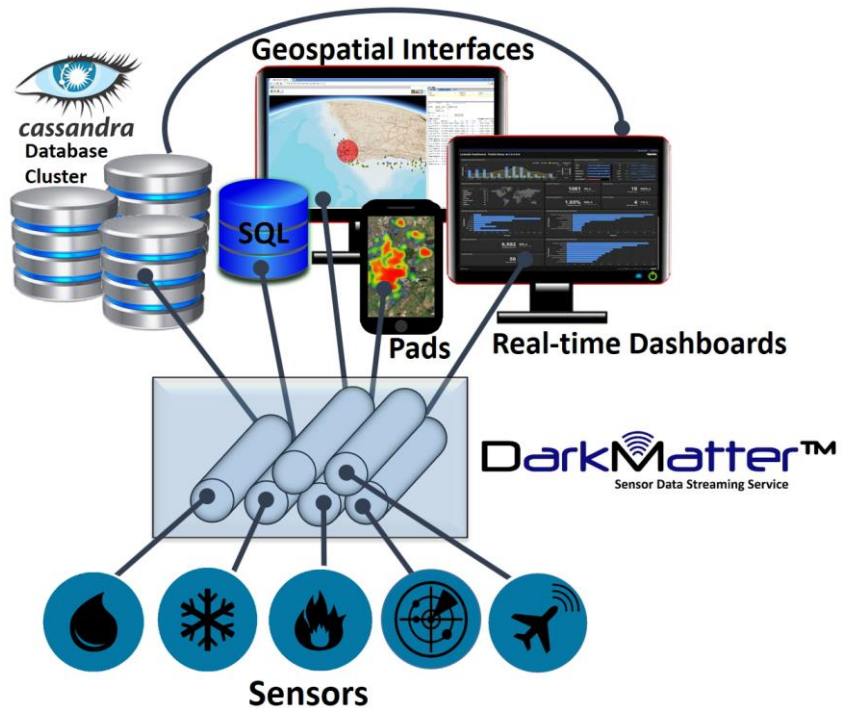
CAN BE APPLIED BY:

- Customers and system integrators wanting to sensor enable applications such as websites, software and ad hoc systems
- C4ISR System Integrators
- Commercial and Defense customers wanting to sensor enable visualisation and geospatial applications

BENEFITS &

CHARACTERISTICS

- Simplicity
- Reduce development cost
- Reduce development time
- Speed up time to market of software products and applications
- Cloud or on-premises capability



DarkMatter™ is a proprietary next-generation sensor agnostic data distribution service developed to stream high volumes of data in real-time. It is a sensor processing framework that inputs data from multiple sensors ranging from mobile phones to air surveillance radar. It processes sensor data in a common framework and outputs integrated products across multiple data types.

DarkMatter™ provides a middleware data streaming service where specialized adaptors allows the inputs from different sensors types and other data sources such as SQL databases to CSV files to be transformed and standardised into a single protocol. DarkMatter™ sensor data consumers or listeners use a Packet Protocol API to receive data irrespective of the supported sensor type.

In developing Internet of Things solutions it is important to consider the "IoT" stack, comprising very distinct layers. This layer stack includes a sensor layer, intermediary sensor web layer and application layer where interaction with end-users and computers occurs.

It is in this sensor web layer where DarkMatter™ acts as an middleware layer bridging between sensors and applications.

It can be used in the following environments:

- Smart Agriculture
- Industrial Control & Logistics
- Vehicle Tracking
- Smart Cities
- Smart Metering
- Safety & Security