

# IoT Portal



SENSE | MONITOR | CONTROL

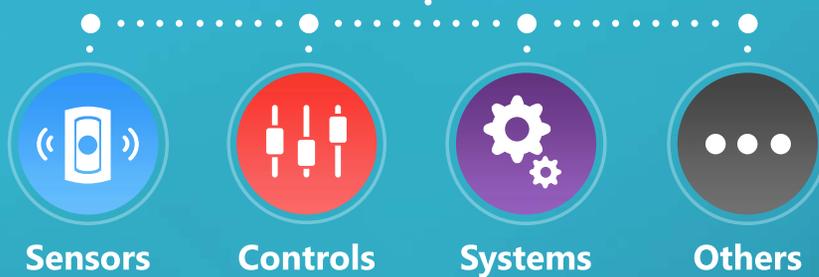
Versatile, Scalable Sensor-to-Cloud Connectivity

Bringing you the IoT advantage without the hassle! By sensing and monitoring various forms of production, processes or safety parameters, increased productivity, efficiency and safety can be realized resulting in increased revenue with lower maintenance. With added control feature, create sense and trigger events to achieve automation and save further cost through less collateral damage and energy savings.

 **BRTSys**

SENSE | MONITOR | CONTROL

Versatile, Scalable Sensor-to-Cloud Connectivity without Needing Programming Expertise



By choosing the right sensors from a plethora of options to monitor various forms of production or processors, increased productivity and efficiency can be realized resulting in increased profits. IoTPortal enables data monitoring globally, storage and pre-configured alerts via SMS, email or push notifications to protect what you care about.

With automated sensing, real time monitoring, control and alerts, there is no need for additional manpower or labour. Further cost savings can be realized through lower maintenance, less collateral damage or energy savings.

# ECOSYSTEM

## Do It All - No Programming Required!



## The IoTPortal Advantage



### Self Powered

Sensor/Actuator Nodes are powered directly. Say goodbye to battery issues.



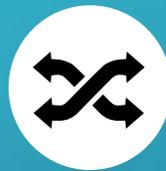
### Security & Noise Immunity

No signal fallout, inherent privacy and security with wired based communication.



### High Scalable PaaS

A single IoTPortal Gateway is able to connect up to 320 sensors/actuators. Add more gateways to scale up further.



### High Flexibility

Mix and match sensors/actuators to suit your application needs. No programming required.



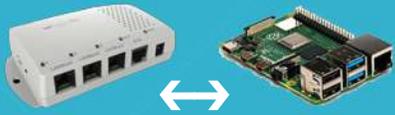
### Wide Reach

A single IOTPortal Gateway can cover an area of 12.6 hectares or 12 football fields.



### Control & Automation

Manually control external devices remotely or globally or create automation events based on sensor triggers.



## Machine to Machine

Extend IoTPortal functionality to third party embedded systems through the UART port to include sense, monitor and control capabilities.

## DIN Mountable Option

Besides mounting on flat surfaces, the IoT Gateway, HVT-Junction or USB Dongle comes with DIN mountable enclosure for quick and neat installations.

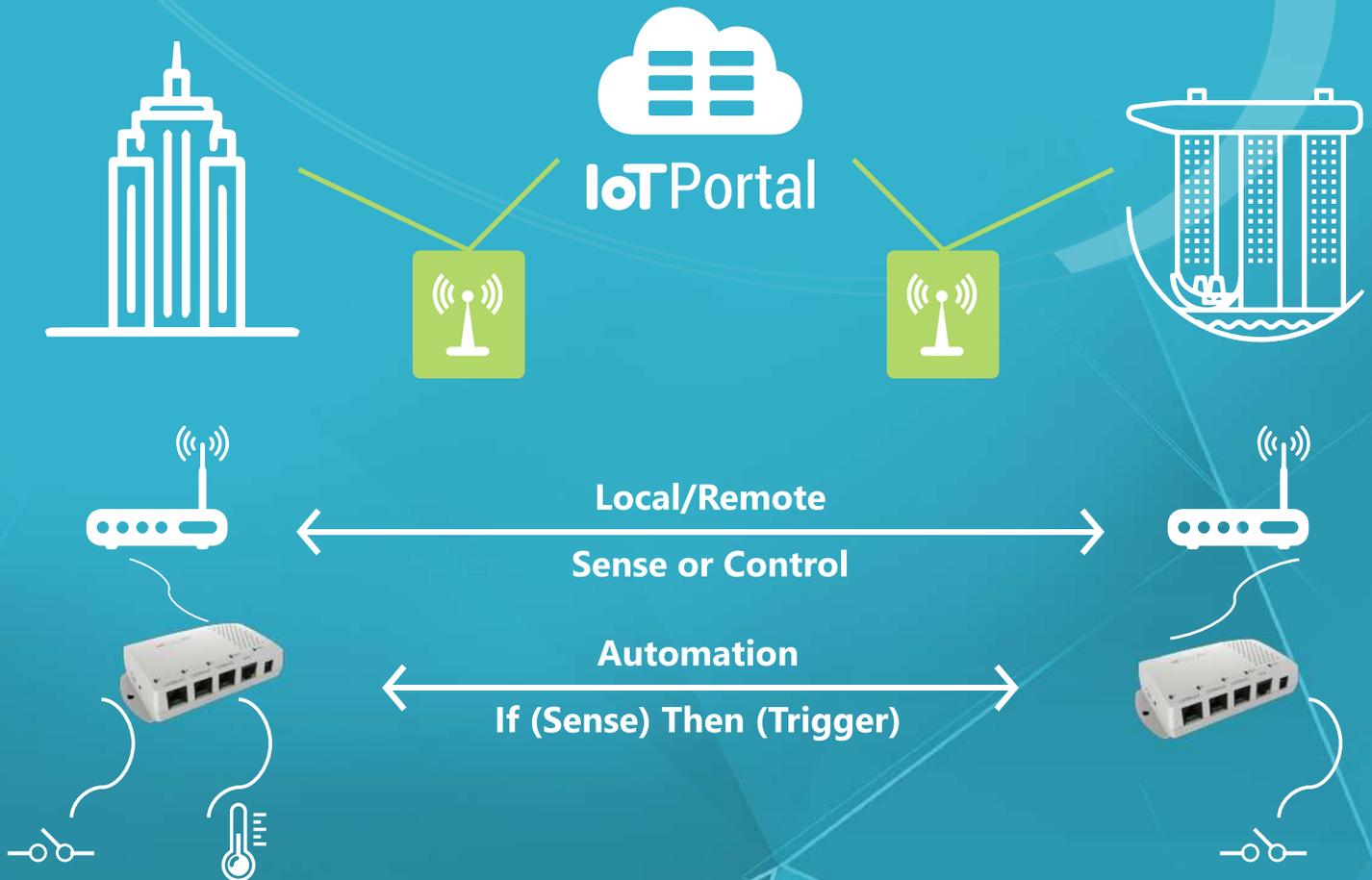


## Network Down? No Worries...

The IoT gateway continuously stores sensor data to the on board data cache memory even when the local network is down.

## Control & Automation

Sense and perform control either manually or automatically. Monitor across different buildings or countries.



## Urban Agriculture

Continuously monitor critical parameters in a urban farming environment and automatically control water valves and lighting to ensure high yield and healthy crops.



## Commercial

Either is in a office, hotel, retail or warehouse, deploy sensors and controls to ensure occupant safety and comfort.



## Building Management

Monitor anything outside or inside a building from equipment for predictive maintenance, safety parameters such as gas or water leakages or HVAC systems to optimize energy cost.



## Data Center/ Server Room

Manage data center environment and significantly reduce energy consumption by connecting sensors that not only monitor, but control temperature and lighting.



## Industrial

Lower systems and infrastructure costs, use energy and materials more efficiently, improve safety and guarantee regulatory compliance in factories, refineries, and plants.



## Transport

Improve quality and quantity of data collection with intelligent infrastructure solutions that optimize the use of transportation assets such as city parking spaces, rail systems and logistics operations.



# IoT MADE SIMPLE



## Manage Users

Add users, create groups, assign roles and permissions.



## Setup Gateways

Create different gateway groups to manage different nodes. Identify gateway location easily on google maps.



## Configure Sensors/Actuators

Set report frequency, operating modes and output configurations.



## Configure Alerts

Alert user groups via emails, SMS or push notifications. Setup rules for trigger.



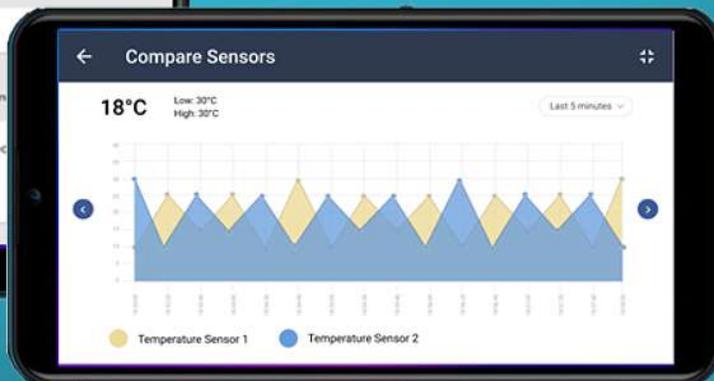
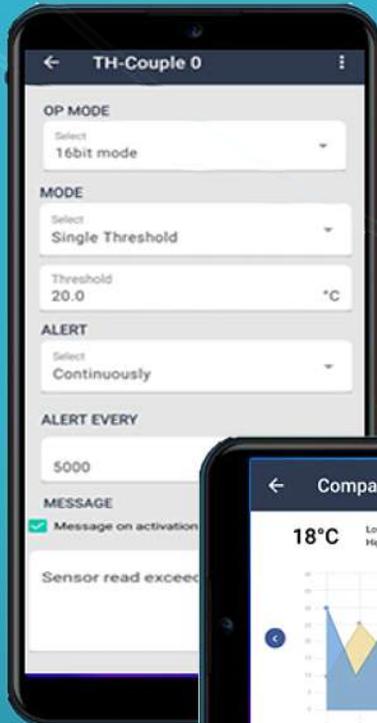
## Global Access

Remotely monitor assets status from anywhere manage gateways and update software via OTA.



## Manage Subscriptions

Easily monitor IOTPortal Gateway subscription usage and billing history. Upgrade to a higher plan anytime.

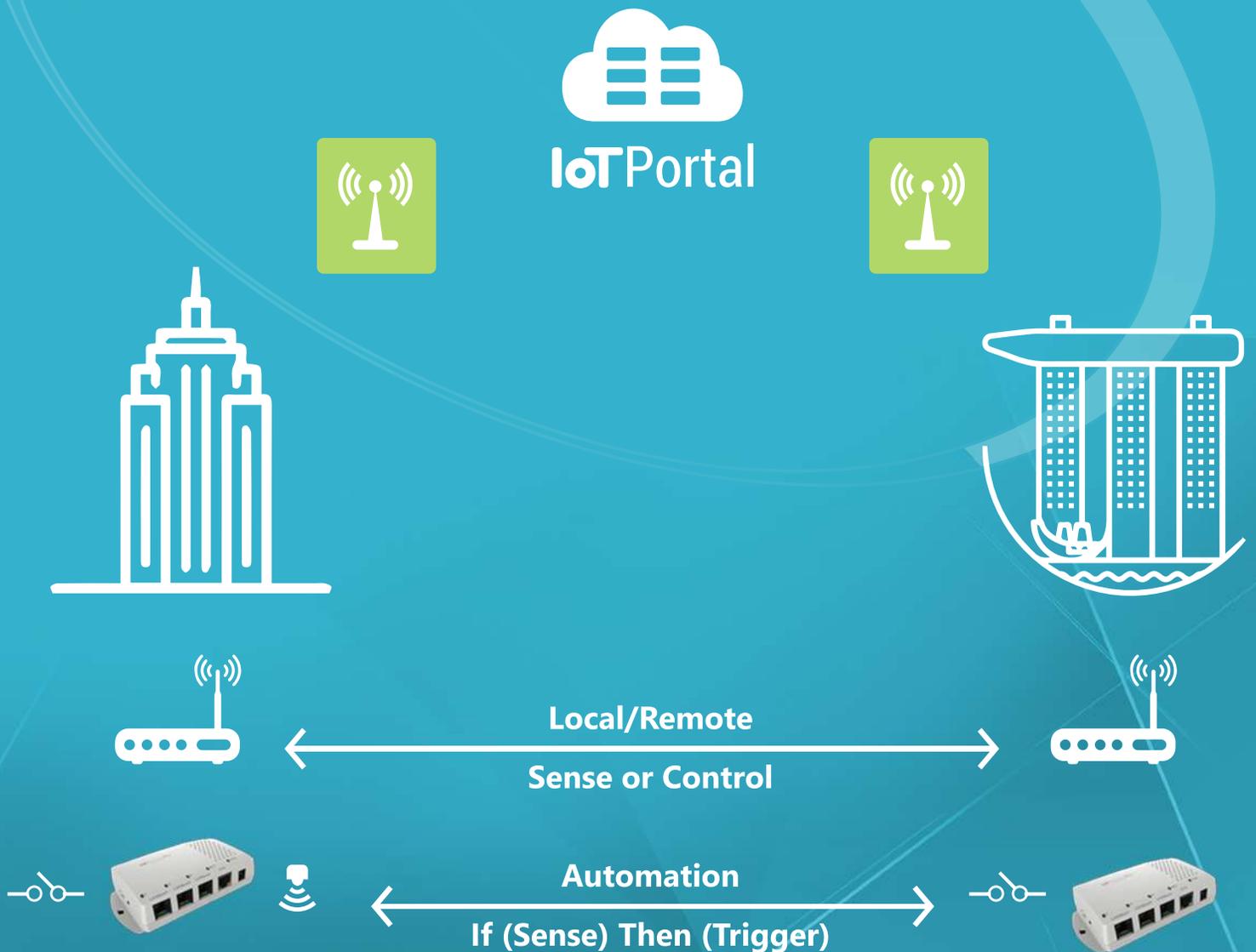


# CONTROL

Besides attaching sensors, we provide an option to attach LDS actuators to control any external device such as valves or relays. Create an event where the trigger is linked to a sensor threshold settings

## Control & Automation

Sense and perform control either manually or automatically. Monitor across different buildings or countries.



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