



WITRA™

# WITRA ADD-ONS

📶 CONNECT   📶 SENSE   📶 LOCATE





# NETWORK KIT ADD-ONS

WITTRA redefines the IoT landscape taking you directly to 'proof of value' with a predetermined ROI. Our unique pre-integrated, pre-tested and pre-secure Network Kits and Add-Ons allow users to collect, communicate with and control their assets even in the toughest of environments. WITTRA's Add-ons are designed with speed and simplicity of deployment in mind, and support the expansion of any deployment based around WITTRA's unique approach. WITTRA brings IoT to the mass market.

## STRAIGHT TO PROOF OF VALUE

The unique WITTRA approach to IoT implementation takes any IoT project straight to 'Proof of Value' and removes the uncertainty associated with the more traditional 'Proof of Concept' approach widely adopted. WITTRA accelerates and simplifies IoT by delivering, predictable pricing and a predefined ROI, enhancing your revenues and improving time to market by removing the fragmentation and complexity of the more traditional ecosystem approach.

- ✔ Pre certified
- ✔ Ruggedized IP67
- ✔ Cloud API
- ✔ Plug and Play



**CONNECT**



**SENSE**



**LOCATE**

## WITTRA CLICK ON SENSOR

The WITTRA Click on Sensor further expands the functionality of the WITTRA Sense360 and is designed to future-proof your IoT deployment. The Click on Sensor extends your network in minutes by utilising WITTRA's unique design whilst maintaining an IP67 rating.

Additional sensors are easily added, speed up time to market and increase value and functionality; examples of these are the Climate Sensor which contains advanced temperature measurements, barometric pressure, humidity, and CO<sub>2</sub>. The Activity Sensor contains an ambient light sensor and an external motion sensor for measuring activity and audio.

More advanced sensors are also available. If one of our standard sensors does not meet your exacting needs, consider WITTRA's design services to meet your bespoke sensor requirements.



## WITTRA CURRENT SENSOR

Utilising WITTRA's approach to ensure speed and simplicity in design the Current Sense click on sensor module is designed to enable remote measurement of power consumption for industrial applications and provides unsurpassed reliability and accuracy. This highly efficient and effective solutions can be deployed in minutes offering immediate data insights and monitoring of electricity usage.

## WITTRA SENSE 360

The compact, rugged WITTRA Sense360 is sealed to IP67 and pre-certified, ready for field deployment. Including several integrated sensors, location functions and modern radio and communication technologies, delivering data to the cloud.

In addition to tracking functionality the WITTRA Sense360 delivers sensor data to monitor and measure the activity and status of key assets. Data such as vibration, movement, orientation, tilt, fall, shock, temperature are immediately available.

The WITTRA Sense360 is future-proof by design to easily extend with click-on new sensors, it also comes complete with accessories to make it easy to attach to your assets in both indoor and outdoor environments. The WITTRA Sense 360 will automatically connect to the low power, IP based wireless mesh network once it is registered in the WITTRA portal.



## WITTRA MESH-ROUTER

The mesh-router is the backbone component for message routing and provides a fixed node for routing sensor and positioning data to the Gateway. In addition, the mesh-router provides the possibility to extend and scale the network coverage of your network area. The mesh-router offers the ability for more WITTRA Sense 360 to join the network by forming a multi-hop network achieving higher positioning accuracy.

The mesh is self-forming and self-healing, providing fault tolerance and redundant data pathways for maximum transmission reliability. Frequency Hopping provides resilience against interference and allows for coexistence with other users of the spectrum.

## WITTRA BATTERY PACK

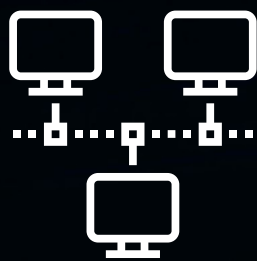
The WITTRA Battery Pack offers a true 'off grid' IoT deployment. Tailor made battery/accessories for the TrackSense360 and Mesh Router offer easy and reliable mounting that covers a wide range of surfaces and shapes. The WITTRA Battery Pack extends the field life of the WITTRA Sense 360 and removes the need to have mains power supplied to the WITTRA Mesh Router.



## WITTRA ACCESSORIES

The WITTRA Network Kit comes with a range of accessories including Velcro straps for mounting the mesh routers, power supplies, rechargeable batteries, USB supplies and reset plug. A mounting plate for the gateway is available on request.





## WITTRA NETWORK KIT

WITTRA Network Kit is a wireless sensor network kit with a cloud-based API that can be deployed on a site to monitor objects and assets. The ruggedized kit, enables users to Connect, Sense and Locate their assets in the toughest environments. The use of sub-GHz frequency bands provides long transmission range and enables the signal to penetrate dense building infrastructure. With pre-certified hardware, the kit is secure, easy to deploy and ready for field deployment.

## WITTRA CLOUD SERVICES

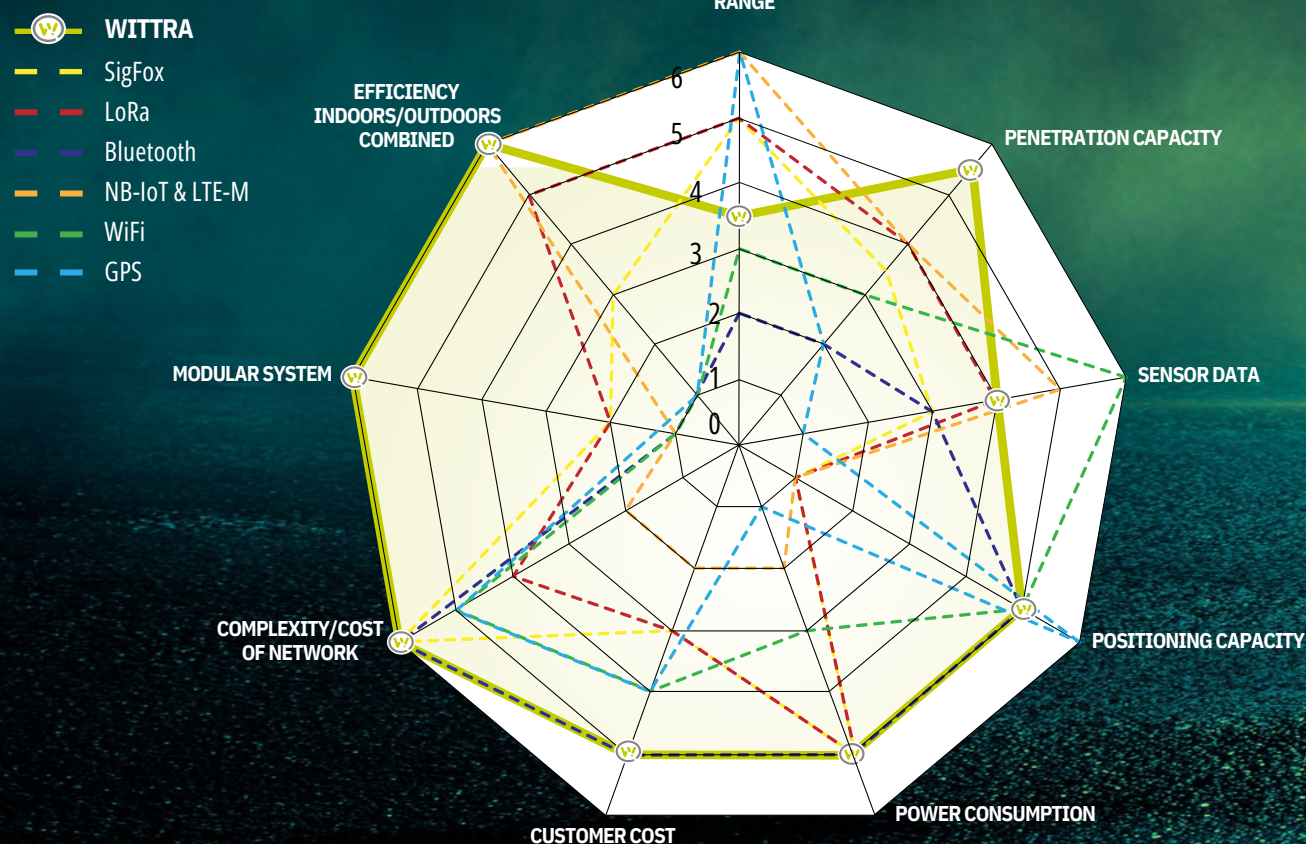
The cloud service enables configuration and management of your sensor tags and network, as well as an Application Programming Interface (API) to stream sensor data to third party applications. It is a single point collection of all data to reduce development costs, increase security and accelerate time to market. The cloud service is available 24/7, continuously upgraded, and automatically scales to meet your needs with built-in support for remote, secure software updates. The cloud service provides autonomous operation and data integrity protection. Easy to get started - just sign up and the cloud service is activated with provisioning and management functionality, documentation, support and user forum, dashboards and API for you to develop your own value-added software applications.



## DEPLOYMENT

The WITTRA development platform simplifies device commissioning; the signal strength indicators ensure ease and speed of deployment whilst the WITTRA plug and play system allows for ease of network expansion. The WITTRA approach brings the benefits of IoT to the mass market delivering actionable intelligence.

# THE WITTRA DIFFERENCE



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