



Sustainable Solution for Industry 4.0

# WIRELESS CHARGING AND MONITORING



## ESCOM Enhanced Solutions

The Future of Wireless - Batteryless Energy Harvesting Sensing Technologies

ESCOM-ES is the R&D center founded in 2018 and owned by ESCOM Power Plants Engineering Services. We are focusing on and developing Self Powered – Wireless - Batteryless Sensors which is eliminating all wiring and cabling cost and workmanship which can reach many kms in a simple industrial plant. And offering smart and green solutions getting rid of batteries and cables...

No Battery - No Cable - No Wiring

ESCOM-ES offers a wide range of domestic and industrial sensing systems that can be used in harsh environment harvests its own power from ambient sources such as motion, temperature, sunlight, magnetic fields, or where energy is available to scavenge...

Self-powered, wireless sensing technology, combined with engineering expertise and rich analytics provide real-time information for our customer's needs...





## Wi-CaM

### Wireless Charging and Monitoring

**Wi-CaM** is a wireless charging and monitoring device specially designed for WiT-es and WiPr-es. It is used when the energy required for the operation of WiT-es and WiPr-es is not sufficient, and it is also used to display the instant sensor information (temperature or pressure) of the relevant sensor to the field operator. It simplifies the installation by charging the relevant sensor within a period of 2 seconds during the installation phase and displaying the relevant information of the sensor on the screen.





## Product Features

- Mobile using WiT-es or WiPr-es in the field with **Wi-CaM**.
- It charges WiT-es or WiPr-es in only 2 seconds. These two products can work for 5-8 minutes after first charge.
- Real-time monitoring of Temperature, Pressure, Mac address, signal power rate, sensors name and charge level.
- It provides instant and mobile monitoring from the field.
- Waterproof and dustproof.
- Rechargeable thanks to the lithium-ion battery inside.
- Easy commissioning, easy signal loop check, easy functioning
- Real time monitoring
- Fast Wireless Charger
- Ergonomic Design
- Handheld
- Very easy application
- Mobile using with Wi-CaM Charger and Monitoring

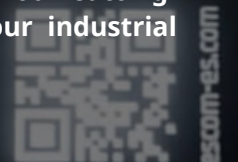


## TECHNICAL SPECIFICATIONS

Power Source	Rechargeable Battery
BLE Recive Sensivity	-103dBm
Sampling Refresh Rate	2s
Operation Temperature	-20°C / +60°C
Input Charging Adapter	9V / 0.5A
Data Output	Temperature Pressure Charge Status Signal Quality MAC Address Charge Notification
Dimensions	144 x 80 x 24.8 mm
Weight	330 gr
Screen	LCD Display

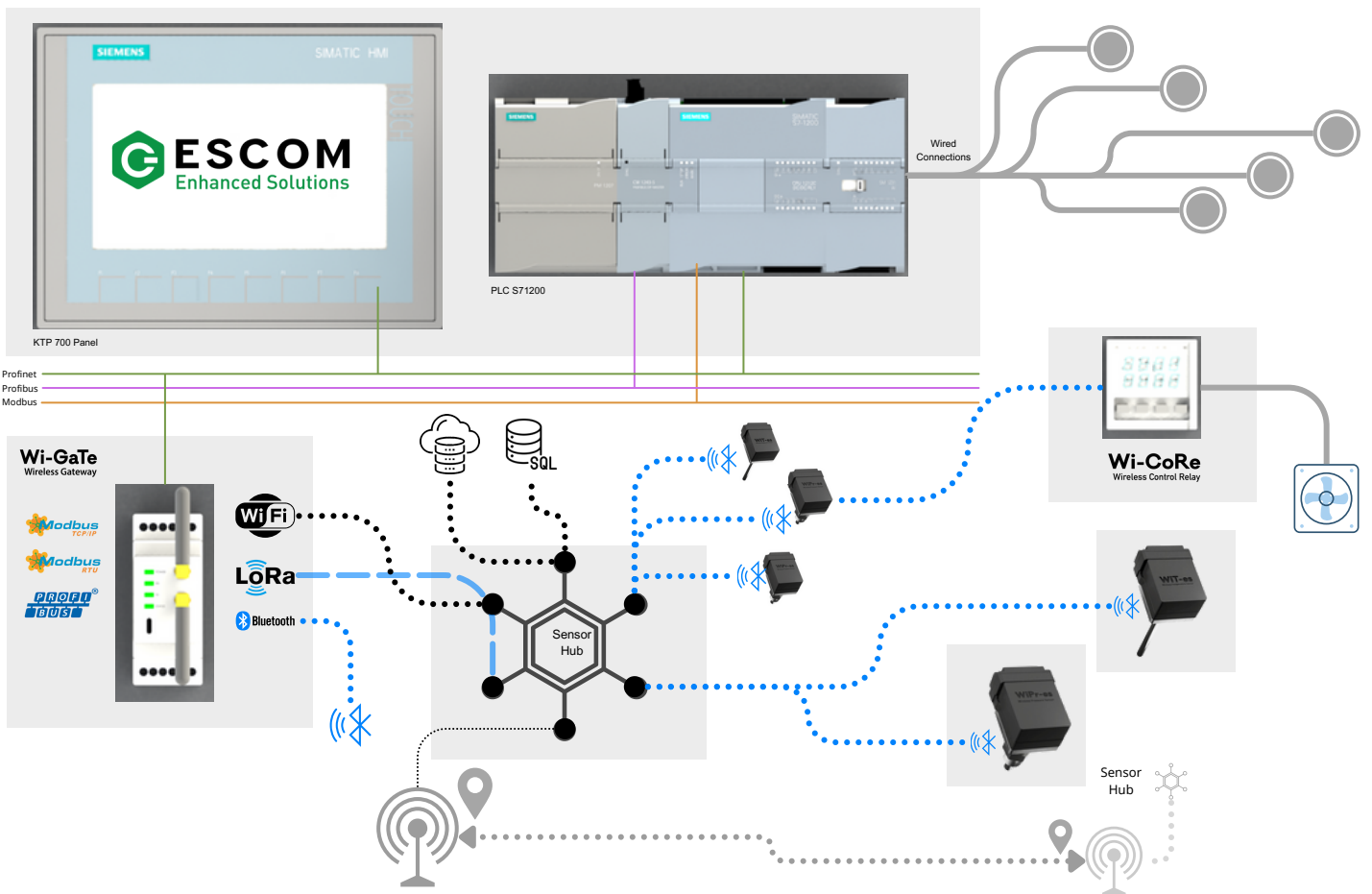
### Innovative Energy Harvesting for the Enhanced Industrial Sensing Solutions

Our innovative energy harvesting, *ultra low power consumption*, and wireless data transmission technologies are paving the way for a smarter, more connected future. Explore our cutting-edge solutions and revolutionize the way you collect and process data in your industrial systems



# INDUSTRIAL IoT

## Wireless BatteryLess Sensors & Network







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