ESCOM
Enhanced Solutions

Sustainable Solution for Industry 4.0

WIRELESS CONTROL RELAY

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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...

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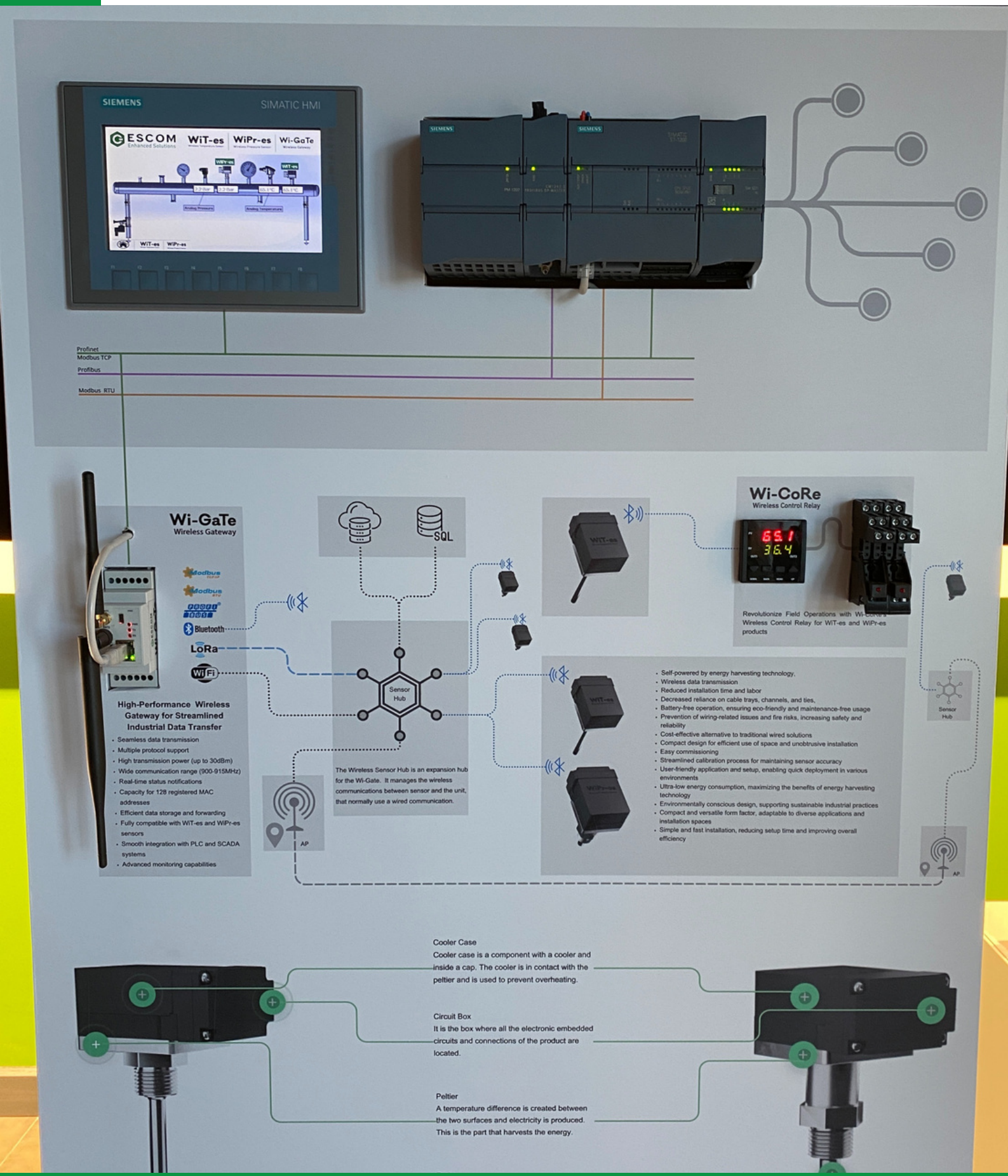

Wi-CoRe

Wireless Control Relay

Wi-CoRe is an innovative wireless control relay specifically engineered to enable seamless integration between WiT-es and WiPr-es sensors and industrial control systems. It is designed for applications requiring continuous monitoring and real-time temperature and pressure-based adjustments in various industrial settings. Wi-CoRe simplifies temperature and pressure control by receiving data from WiT-es and WiPr-es sensors, processing it, and automatically adjusting relay outputs based on the set parameters, all while displaying the sensor's information on the screen.

By intelligently switching its operation according to the temperature and pressure data received from WiT-es and WiPr-es sensors, Wi-CoRe ensures optimal regulation and minimizes manual intervention in control systems. This advanced control relay is the ideal solution for enhancing efficiency and precision in temperature and pressure-dependent industrial processes.

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Product Features

- Seamless data transmission
- Multiple protocol support (Wi-Fi, BLE)
- Real-time status notifications
- Efficient data storage and forwarding
- Advanced monitoring capabilities

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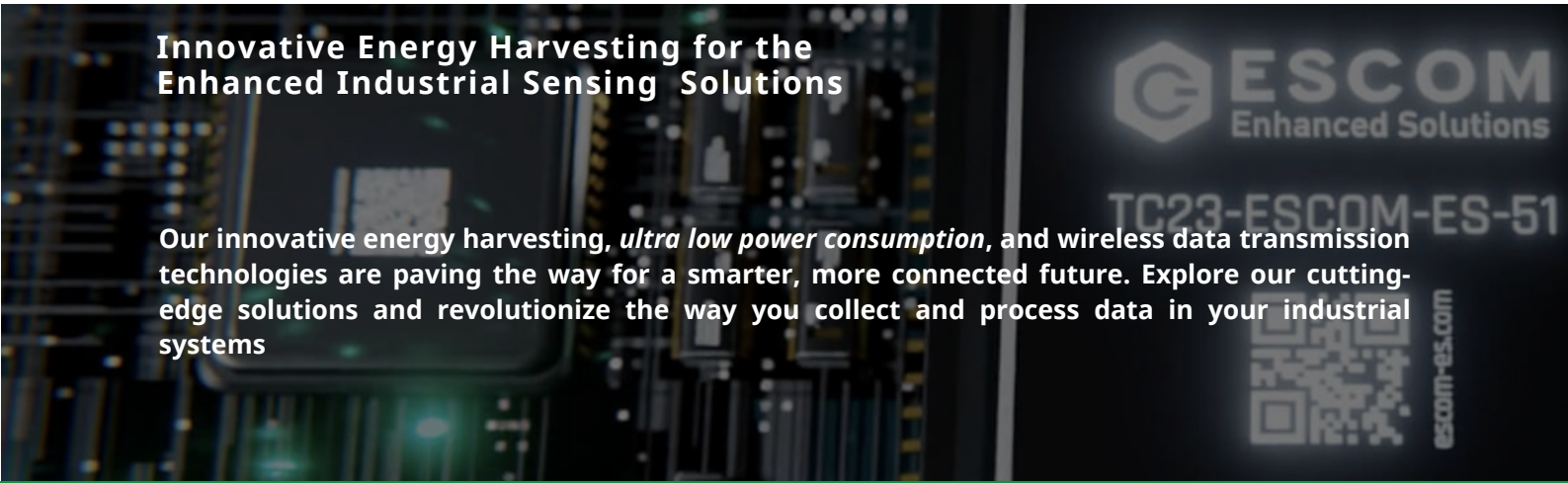
TECHNICAL SPECIFICATIONS

Power Source	220 V
BLE Recive Sensivity	-103dBm
Sampling Refresh Rate	500ms
Communication	Wi-Fi / BLE
Operation Temperature	-40°C / +85°C
Data Input	WiT-es Temperature WiPr-es Pressure WiT-es / WiPr-es Mac Address
Outputs	0-20mA Output NO/NC Two Relay Output 12VDC 100mA Output
Dimensions	48.4 x 48.2 x 90.6 mm
Weight	136 gr
Screen	8 Digit 7 Segment Display and Two Indicator a Led



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

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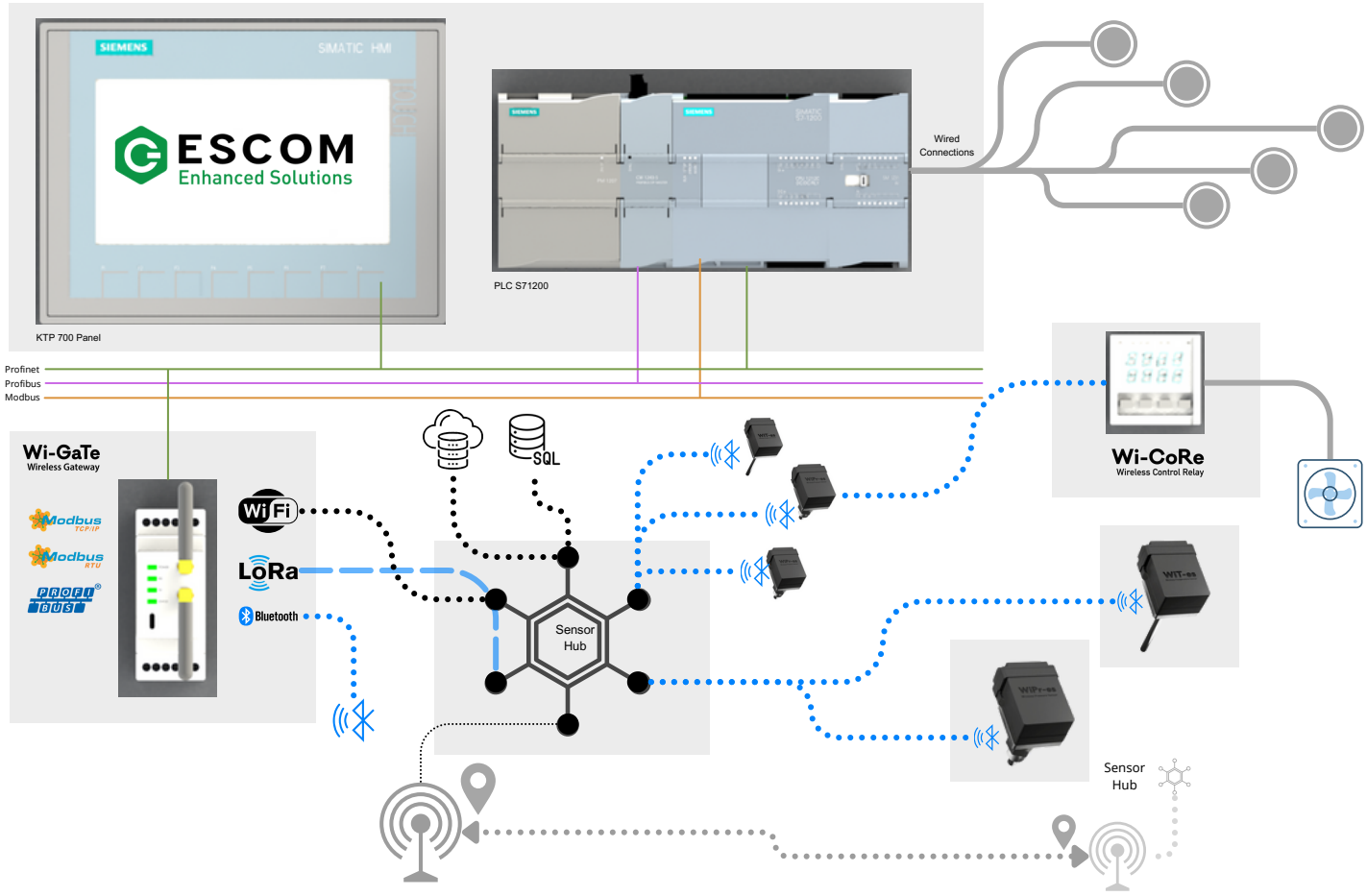
INDUSTRIAL IoT

Wireless BatteryLess Sensors & Network



innovative

ideas

development

imagination

technology

vision

inspiration

teamwork

research

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