



BLUEPYC

Unconventional.
Smart. Wireless.



BLUEPYC

Unconventional. Smart. Wireless.

WHO we are

BluEpyc is the Business Unit of Softwork Group – Value Added Technology Provider, focused on **wireless technologies, above all Bluetooth Low Energy (BLE)**, a wireless technology based on a standard and developed to fulfill the IoT interoperability need (its main features are the wireless communication range up to 100 meter or more and the low energy consumption between the connected devices due to the small quantity of data to send).

BluEpyc guarantees advanced wireless solutions, producing its own family of customized devices designed by the R&D Dept. and developed by an experienced project managers team and a network of certified resellers.

Our technologies

The BluEpyc family of BLE devices is composed by Gateways, EchoBeacons and Beacons available in different housing. Each device has specific technical features and ideal performances for different scenarios.



- ❖ **BluEpyc BLE Cloud Gateway Reader** is an elegant and small size device, with web server on board, CPU & I/O; with a reading range up to 100 meters, it's able to receive and manage data coming from beacons or EchoBeacon via Ethernet, Wi-Fi or GPRS;
- ❖ **BluEpyc BLE EchoBeacon** is a BLE signal repeater, allowing to build BLE systems for wide indoor area, where detailed data capture, easy installation and low cost are required: the EchoBeacon receives Beacon's data and forward them to the BLE Gateway within a distance up to 100 mt.
- ❖ **BluEpyc BLE Tag Beacon**: a wide Beacon range, even custom designed (upon request) by the R&D Dept., based on the specific requirements and needs of the project: to be fixed on items and wearable.



BLUEPYC

Unconventional. Smart. Wireless.

Our way of thinking

We believe innovation creates value not only thanks to a smart technology, but also using an original way of thinking: *unconventional* means not accept the first solution, it means avoid shortcuts and be brave in looking always for new paths.

How is our “unconventional way of thinking” related to BLE technology?

The standard BLE architecture is typically composed by fixed Beacons and mobile devices (e.g. smart phone), which receive data from Beacons and managed by an App.

Our **unconventional** vision is based on a reverse concept approach, in order to **create in an easy and competitive way an active RFID system suitable for automatic identification and localization of persons and objects**.

With respect to the traditional concept, our unconventional BLE architecture works in an opposite logic, where moving person or object are equipped with tag/Beacon and the fixed readers/Gateways are installed in the monitoring area, detecting data from different tags.

Education, continuous training and research complete the basis of BluEpyc growth model.

Scenarios

- ❖ Access control (vehicle & person)
- ❖ Home Automation & Building Management (hospitality, industrial etc.)
- ❖ Process Automation & Monitoring. Maintenance
- ❖ Safety (e.g. in hospital, construction site)
- ❖ Asset & Facility Management: traceability, positioning, monitoring, sensor management (asset & people)
- ❖ Smart City: transportation, ticketing, waste management, citizen service, car-parking
- ❖ Tourism and Leisure: museum, exhibition, village & resort, amusement park etc



www.bluepyc.com