

DATAEAGLE BEACON

Bluetooth Beacons revolutionize Track & Trace applications

The DATAEAGLE Beacon is a small Bluetooth Low Energy (BT 4.2) radio transmitter, which sends short signals for orientation, presence detection or information transmission to the nearby environment. The Beacon can be operated by either battery or 24V DC, and devices with a Bluetooth interface, e.g. DATAEAGLE 2730 radio systems, smartphones or tablets, can receive data up to 30 metres away. Furthermore, the DATAEAGLE Beacon is a device platform that can be equipped with various functions. In its simplest form the localised function works with the transmitted or received signal strength indicator (RSSI) and Universally Unique Identifier (UUID); however The DATAEAGLE Beacon is a device platform that can be equipped with various functions, including an integrated memory and bidirectional data exchange on fixed or moving parts (data can be exchanged during movement). In comparison, RFID tags must be positioned at close range, but this is not the case with the DATAEAGLE Beacon.

Bluetooth beacons play an important role in Industry 4.0 as they allow objects to communicate with each other. Thus, industrial production processes are improved by the connectivity and identification of its workpieces, machines and persons. When used in combination with a sensor gateway, such as DATAEAGLE 2730, the DATAEAGLE Beacon will transmit selected data to a control system or to the Cloud.



- Localization of objects
- Detection & identification of objects
- Information exchange & data storage
- Up to 30 meters range
- Up to 1 year battery life

