EnviroLogik

LoRaWAN
BACnet
Modbus

• OBJECTS

BACnet

BMS

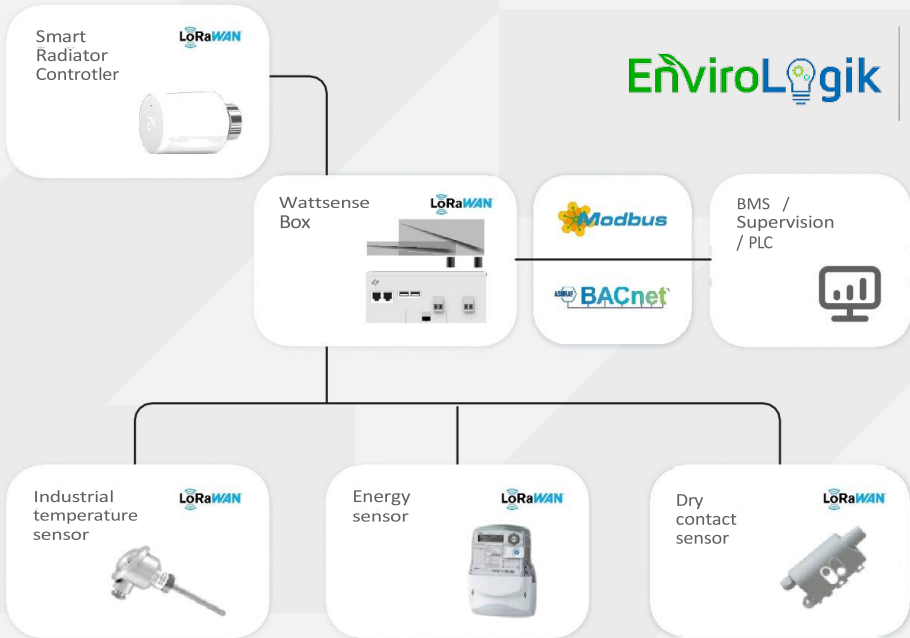## Access the data of any LoRaWAN Sensor in two clicks

EnviroLogik

Quickly connect LoRaWAN sensors using the Wattsense IoT solution. No coding or programming skills are required, just the click of a button!

Make LoRaWAN data readable by any management systems such as SCADA, PLC, or a BMS by converting it into BACnet IP and Modbus TCP IP.

How does it work?

Connect any LoRaWan sensor to a Wattsense gateway via our intuitive online user console.

Smart Radiator Controller

EnviroLogik

Wattsense Box

Modbus

BACnet

BMS / Supervision / PLC

Industrial temperature sensor

Energy sensor

Dry contact sensor

Our IoT solution locally processes raw LoRaWAN frames, decodes them, extracts the data points you selected and sends them directly into a Wattsense Box. The values can be then be easily converted to BACnet IP or Mobus TCP/IP where you define the register adress.

The Advantages

• No coding technology. Anybody can do it.

• Local process. No internet required.

• Immediate process. No latency or reboot needed.

Depending on your project's technical specifications, you can use:

The Tower is a remotely managed IoT device that controls equipment, collects data and communicates via the Wattsense server.

The Bridge is an IoT gateway and powerful controller designed for on-premises building management. There is no communication with the Wattsense server except for software updates.

SIMPLE TO USE
Connect devices to a management system in just a few clicks with our Configuration Wizard and quick network setup.

QUICK ROI
Stand out from competitors by reducing integration time, lower your upfront investment and win more CODI L6CIS.

LOCALLY PROCESS DATA
Con fleet and manage LoRaWAN sensors, decode, and extract useful information without connecting to an external provider or Cloud.

LORAWAN SERVER INTEGRATED
All of this is possible l hal ks to a rt nique in teprated LoRaWAN server and an embedded codec Þ ai ager able to clecode a wide range of sensors.

Hardware	Interfaces	Software	Drivers
" CPU : SIBM Hz ARM Cortex AT	ix Modem 3/4G	• Secured Linux Yocto distribut ion	• BACnet iP
• Memory STZ MB RAM	• Tx Module LoDaWAN from 863 MHz to 928 MHz	• Bu ilt- in d rivers IO r all buses, protocols, and building equipment	BACnet iP Server
• Sto rage: 9G B F fash	• 2x Ethernet		Diematic
• Co nsu mption: SW	• 2x RS485	• Automat c dscovey or equ p ment on BACnet	KNX S ard LTE
• Dimensions: 160 x HO x 55 mm	• 2x USB		LON IP-8S2
' We+ght 3S0g — S85g w+th anten n as	• 1x Micro USB	• Remoieanda omaed onEguaEon	LPB
" IP code IP2X	1x KNX	• Secure server communicatio n via MQTT. AutOmat ie and sec ure software updates.	LoRaWAN 1.0 Local private
• 0 p erating temperature: Prom 0ºC to +45ºC	ix M-Bus (3 UL Max.}		' Frequency p tans supPOrted: WSG—EU—BC—00—14 : EU86Z—8T0, IN865—86T, W8G— N A—8C—OO—19 :US90F-928, A8923-925 AU91b—9P8
" Humidity: From 5% to 95% humidity— No condensation	Tx X- B us tLPB}		• M-Bus §3UL Max.S
• Mounting:			• Mad bus RTU
- DIN rail Omega p rofile (TN35§			• Modbus TCP/ iP
- DIN NOTE / GOZO / 3070			• Modbus TCP/iP Server
- Wall mounted (2 screws)			• MQTTT Client