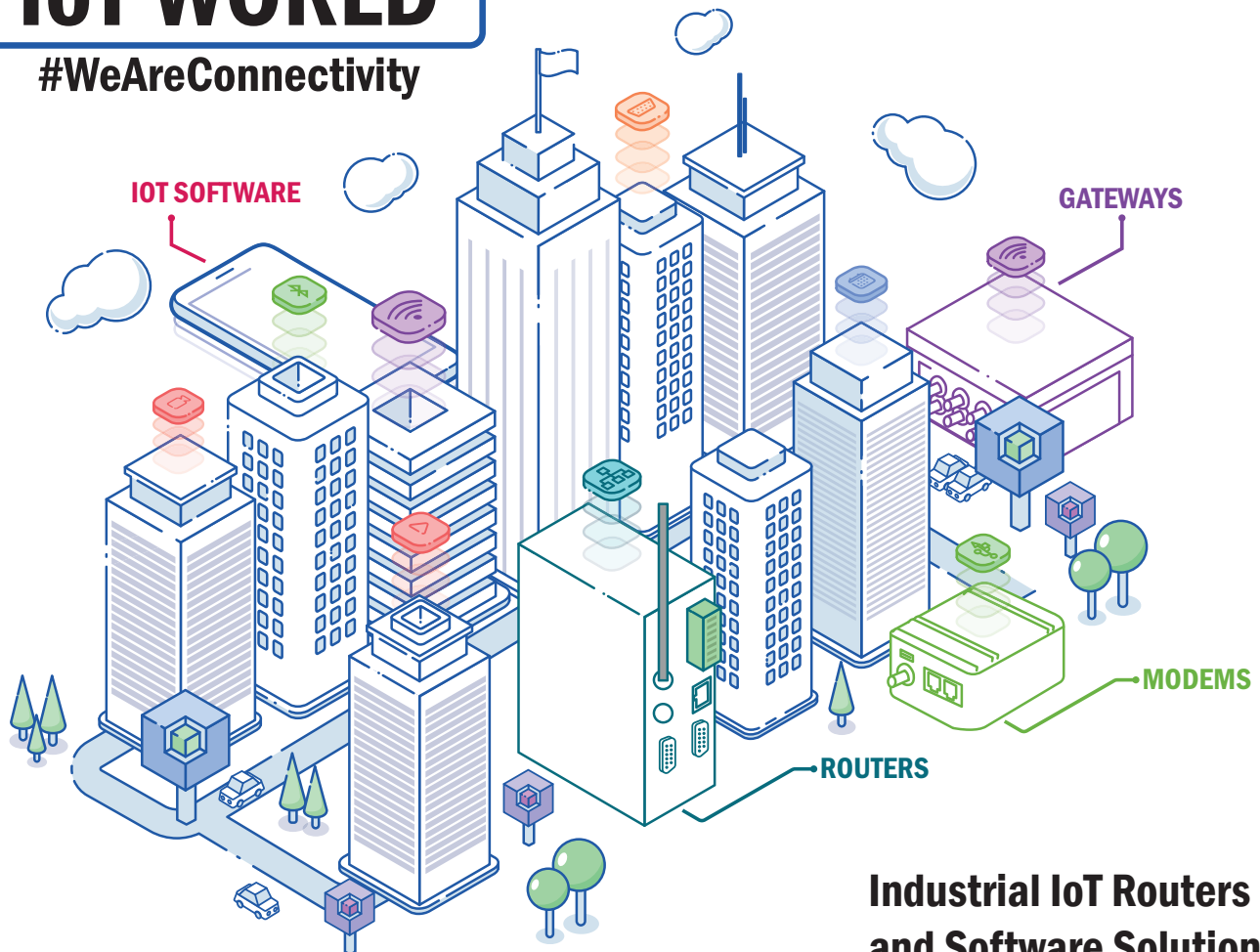




flexitron group

Join our  
**IoT WORLD**  
#WeAreConnectivity



**Industrial IoT Routers  
and Software Solutions**

MTX is the brand of the Flexitron Group dedicated to the design and manufacture of industrial IoT routers, modems and gateways for cellular communication (NB-IoT/LTE/4G/3G/2G), wired (RS232, RS485, Ethernet or CAN) and LPWAN (Bluetooth, WiFi, LoRa or WMbus). At MTX we have a complete team of R&D engineers devoted to the development of hardware, firmware and software, both for generic solutions and customized projects.



**MTX products cover all kinds of communication needs.**



**Global presence thanks to an extensive distributor network.**



**A team of engineers committed to the development of MTX products.**

## IoT ROUTERS | P. 4



Industrial IoT routers with a variety of interfaces and powerful software features. The configuration of **MTX-Titan** routers can be intuitively done from any computer with a web browser. We can connect via Ethernet, WiFi, 4G/3G/2G, SMS, Modbus RTU, Modbus TCP and SNMP.

## IoT MODEMS | P. 6



Programmable industrial IoT modems with a variety of interfaces and powerful software features. **MTX-Tunnel** is a firmware that can be run on our modems turning them into powerful LTE/4G-series equipment that provides remote connectivity to devices with just RS232 or RS485.

## VERTICAL SOLUTIONS | P. 8



### METERING

IoT routers and modems for smart electricity, water and gas metering solutions.

### BMS & MONITORING

IoT routers and modems for monitoring solutions with sensors, for facilities and BMS (Building Management System) solutions.



### TRANSPORTATION

IoT routers and modems for public transportation, railway and automotive solutions.

## CERVELLO STEM - IOT PLATFORM | P. 10

FREE FOR ONE YEAR WITH MTX DEVICES\*



Autoprovisioning



Alarms and alerts



Remote control



Real time dashboards



Rules engine



Monitoring engine



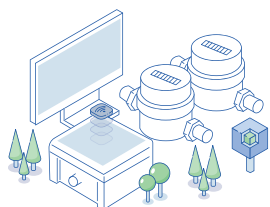
Analytics



Remote update

\*Available with compatible devices that have MTX-Tunnel or MTX-Titan

## DIGITAL SYSTEMS | P. 12



Digital systems are turnkey IoT solutions aimed at specific markets and that provide whatever is needed for quick integration and deployment in the field. They include hardware, firmware and software solutions.

## CASE STUDIES | P. 16

MTX devices, in collaboration with Cervello IoT platform, can be part of many IoT solutions.

## IoT GATEWAYS | P. 18

Industrial programmable IoT gateways with Linux and several interfaces and powerful software features.

## ENTRY LEVEL ROUTERS



### MTX-ROUTER-TITAN-Q NEW IN 2021

LTE/4G entry level router with battery and MTX-Titan software

- |                        |             |                       |                    |
|------------------------|-------------|-----------------------|--------------------|
| 4G LTE/4G connectivity | 1x Ethernet | RS232 RS485           | WiFi               |
| Up to 2x uSIM          | Battery     | Internal power supply | Webserver          |
| 4G Serial gateway      | Modbus      | Datalogger            | SMS SMS control    |
| DynDNS No-IP           | MQTT        | VPN management        | Battery management |

● Hardware features

● MTX-Titan software features



### MTX-ROUTER-EOS

LTE/4G compact industrial IoT router with dual SIM & 3x Ethernet





- |                           |          |                   |             |
|---------------------------|----------|-------------------|-------------|
| LTE/4G connectivity       | Dual SIM | WiFi              | 3x Ethernet |
| DHCP                      | DIN Rail | Modbus            | VPN         |
| DHCP                      | Firewall | Serial tunnelling | DynDNS      |
| 4G Programmable autoreset | MQTT     | SMS SMS control   |             |

## • MTX-TITAN SOFTWARE •





### Included in all MTX-Router-Titan

The configuration of MTX-Titan routers can be intuitively done from any computer with a web browser. We can connect locally via Ethernet or WiFi, or remotely via 4G/3G/2G. We can also connect via SMS, Modbus RTU, Modbus TCP and SNMP.





#### Serial Gateways

-  3 simultaneous 4G/3G/2G/Eth/WiFi <-> RS232/485/USB gateways
-  Modes: TCP server/TCP client
-  SSH encryption enabled
-  Incoming CSD call for metering applications (only 3G)




#### Modbus

-  Modbus TCP/Modbus RTU gateway
-  Modbus TCP/RTU to SNMP gateway (SNMP connectivity for any modbus device)
-  Modbus slave RTU/TCP (send/receive SMS, Email, SNMP traps...)
-  User scripts





#### Datalogger

-  Data from sensors (temperature, distance...)
-  Serial data collected by RS232, RS485 or USB
-  GPS data for tracking applications or fleet management
-  Automatic data sending (HTTP/HTTPS/FTP/MQTT) with JSON format



#### SMS

-  Full control by SMS with phone number authorizations
-  Alarms (digital input, temp., Mbus data read)
-  Send/receive SMS by Modbus TCP (for PLC)











#### Sensor Compatible

-  Temperature, distance and other sensors
-  Modbus RTU/TCP sensors
-  RF868 LPWAN sensors
-  Internal jamming detection sensor with alarm indicator

#### VPN

-  OpenVPN with client/server mode
-  Permanent or activated by SMS, AT command, modbus, SNMP, serial...

#### Other

-  Compatible with DynDNS/No-IP & private DNS
-  GSM cell location
-  Programmable autoreset (schedule, timer...)
-  Multioperator SIM utilities (integrated rssi scanning tool)
-  Time synchronization (NTP) with timezones
-  Over The Air firmware upgrade
-  Full management with AT Command by serial, socket, SMS, modbus, SNMP, ...
-  NAT, firewall, DHCP, etc. and other standard router features
-  4G connectivity supervisor to maintain connection active
-  Traffic control, TACACS+ (for HTTP, Telnet and SSH), multiuser profiles

## IoT ROUTERS



### MTX-ROUTER-TITAN II-S

Advanced LTE/4G/3G/GSM/GPRS industrial IoT router

LTE/4G connectivity	Ethernet	RS232 RS485	WiFi
Digital input	USB	DIN rail	Webserver
Serial gateway	Modbus	Datalogger	SMS control
DynDNS No-IP	MQTT	VPN management	



### MTX-ROUTER-TITAN II-R

LTE/4G/3G/2G industrial IoT router with dual Ethernet

LTE/4G connectivity	Dual Ethernet	RS232 RS485	CAN
WiFi	DIN rail	Rugged connectors	Webserver
Serial gateway	Modbus	Datalogger	SMS control
DynDNS No-IP	MQTT	VPN management	



### MTX-ROUTER-TITAN

Advanced LTE/4G/3G/2G outdoor industrial IoT router

LTE/4G connectivity	Ethernet	RS232 RS485	WiFi
Relays	USB	DIN Rail IP67	Webserver
Serial gateway	Modbus	Datalogger	SMS control
DynDNS No-IP	MQTT	VPN management	



### MTX-ROUTER-TITAN-MINI

Compact LTE/4G/3G/GSM/GPRS industrial IoT router

LTE/4G connectivity	Ethernet	RS232 RS485	WiFi
Relay	USB	Acceler.	Webserver
Serial gateway	Modbus	Datalogger	SMS control
DynDNS No-IP	MQTT	VPN management	

● Hardware features



● MTX-Titan software features

## • MTX-TUNNEL SOFTWARE •






### Included in all compatible MTX-Modems

MTX-Tunnel is a firmware that can be run on our MTX modems to turn them into powerful LTE/4G-series, 3G-series or GPRS-series gateways to provide remote connectivity to devices that only have an RS232 or RS485 serial port, to become an intelligent device, or even to send to the cloud sensor data (modbus, temperature, digital/analog signals, pulse counters...).






#### Connectivity

-  4G/3G/2G serial gateways: TCP client, TCP server, UDP client/server, accept incoming CSD calls, up to 2 simultaneous tunnel
-  IP connectivity mode: permanent 100% time, under request (SMS, missed call), change on a digital input, analog input out of level, serial data on RS232/RS485 port, scheduled date/hour/time






#### TCP Services

-  Web server, Telnet, SNMP, Tacacs+, NTP
-  Datalogger: MQTT, MQTTs, HTTP, HTTPs, FTP
-  Shows the status of digital and analog inputs
-  Change digital output level and relays
-  Execute AT commands remotely: Telnet, MQTT/MQTTs, SMS, HTTP




#### Metering, Modbus, Sensors...

-  868 MHz remote monitoring sensors (LPWAN)
-  Master for modbus RTU devices, Modbus TCP slave, Modbus TCP to RTU gateway
-  Relays control
-  Access to serial devices using 2G/3G/4G and GSM
-  Astronomical clock





#### Alarms and Control

-  Send SMS/MQTT alarm when the level of digital or analog input change
-  SMS can be sent to up 10 remote users
-  Execute remote AT commands
-  Change the status of digital outputs & relays
-  Customizable SMS commands

#### Solutions for Dynamic IP

-  IP session using a SMS or missed call
-  DynDNS and NoIP
-  Private DNS

#### Security

-  Authorized phone numbers
-  Firewall IP, SSL/TLS connections, encrypted configuration
-  Secure OTAP (remote FIU upgrade)
-  Watchdog hardware

## IoT MODEMS



### MTX-IoT-S

4G programmable IoT modem with 8x digital I/O, 2x ADC, ULP and battery

4G LTE/4G 3G/2G connectivity	USB	RS232 RS485	8x digital I/O
2x ADC 4x DAC	Latch relay	Battery	Ultra Low Power
GPS	4G/3G serial gateway	GPIO management	Relays management
DynDNS and No-IP	MQTT	Modbus & datalogger	SMS control



### MTX-IoT-XS

Basic 4G/3G/2G programmable IoT modem with up to 2x RS232

4G LTE/4G 3G/2G connectivity	USB	Up to 2x RS232	RS485
1x digital input	1x digital output	4G/3G serial gateway	GPIO management
Datalogger	DynDNS and No-IP	MQTT	Modbus TCP/RTU
SMS control			



### MTX-IoT

Advanced 4G/3G modular programmable IoT modem

4G LTE/4G 3G/2G connectivity	USB 2.0	Up to 2x RS232	RS485
Analog input	GPIO	GPS optional	Audio optional
LPWAN optional	4G/3G serial gateway	GPIO management	Relays management
DynDNS and No-IP	MQTT	Modbus & datalogger	SMS control



### MTX-T/T2

Basic 4G/3G programmable IoT modem with up to 2x RS232

4G LTE/4G 3G/2G connectivity	USB 2.0	Up to 2x RS232	Up to 1x RS485
Digital input	Legacy communic.	4G/3G serial gateway	GPIO management
Relays management	DynDNS and No-IP	MQTT	Modbus & datalogger
SMS control			

● Hardware features

● MTX-Tunnel software features

## VERTICAL SOLUTIONS: TRANSPORTATION



### MTX-StarRail NEW IN 2021

Industrial IoT router with dual LTE/4G for railway solutions

Dual LTE/4G	4x USB	RS232 422/485	5x Ethernet Ultra POE
8x DIOs isolated 2KV	GPS	Audio	Railway EN50155
Serial gateway	Modbus	Datalogger	DynDNS and No-IP
MQTT/s	VPN management	IPsec server/client	Security TPM



### MTX-StarRoad II

Industrial LTE/4G router for automotive with 8x inputs, 4x outputs and CAN

LTE/4G connectivity	2x RS232 /RS485	8x digital inputs	4x digital outputs
2x CAN	1x Ethernet	1x HDMI	2x USB
GPS	Acceler.	Automotive enclosure	ITxPT compliant
Linux			

● Hardware features

● MTX-Titan or MTX-Tunnel software features



### MTX-StarRail Lite NEW IN 2021

LTE/4G IoT router for railway solutions with 2x Ethernet

Dual LTE/4G	USB	RS232 422/485	2x Gb Ethernet
Rugged connectors	Audio	Railway EN50155	Webserver
Serial gateway	Modbus	Datalogger	DynDNS and No-IP
MQTT/s	VPN management	IPsec server/client	Security TPM

## MONITORING



### MTX-StarSensor NEW IN 2021

4G IoT modem for sensor control with IP67, Ultra Low Power and primary batteries

LTE/4G connectivity	USB	RS232/485	4x GPIOs
2x 4-20mA /0-10Vdc	2x sensor power supply	Primary batteries	Ultra Low Power
IP67	Serial gateway	GPIO management	Sensor management
DynDNS and No-IP	MQTT/s	Modbus & datalogger	SMS control

● Hardware features

● MTX-Titan or MTX-Tunnel software features



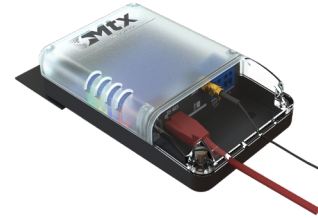
## VERTICAL SOLUTIONS: METERING



### MTX-StarEnergy-M

LTE & 230V industrial IoT modem for metering solutions

- |                     |             |                   |           |
|---------------------|-------------|-------------------|-----------|
| LTE/4G connectivity | USB         | RS232 422/485     | 230V      |
| Legacy communic.    | DIN rail    | Rugged connectors | Webserver |
| Serial gateway      | SNMPv3      | TACACS+           | Firewall  |
| Watchdog            | SMS control | VPN management    |           |

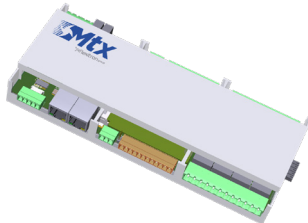


### MTX-StarEnergy-E NEW IN 2021

LTE industrial IoT modem for metering solutions

- |                     |             |                |               |
|---------------------|-------------|----------------|---------------|
| LTE/4G connectivity | USB         | RS232 422/485  | AC&DC powered |
| Legacy communic.    | DIN rail    | Wall mounting  | Webserver     |
| Serial gateway      | SNMPv3      | TACACS+        | Firewall      |
| Watchdog            | SMS control | VPN management |               |

## BMS



### MTX-StarBMS NEW IN 2021

4G IoT gateway with Niagara for Building Management System solutions

- |                     |                     |                   |                  |
|---------------------|---------------------|-------------------|------------------|
| LTE/4G connectivity | 6x universal inputs | 6x digital inputs | 8x analog inputs |
| 4x digital outputs  | RS232               | 2x RS485          | 2x Ethernet      |
| 2x USB              | 24VDC output        | Niagara license   |                  |

● Hardware features ● Niagara software features



### MTX-StarWater NEW IN 2021

NB-IoT industrial IoT modem for water metering

- |                  |                 |                        |                       |
|------------------|-----------------|------------------------|-----------------------|
| NB-IoT           | Worldwide bands | RS485                  | BUS UNE2326           |
| Dig. pulse input | W-Mbus          | Mbus                   | Internal battery      |
| Ultra Low Power  | IP66/67         | Industrial temperature | Configurable firmware |

● Hardware features ● Software features

# CERVELLO STEM IoT PLATFORM

Cervello Stem is a flexible, customizable, scalable and secured IoT Platform to onboard, control and remotely monitor IoT devices and to integrate them with enterprise and industrial systems and apps.

## A platform designed for your needs

### SECURITY

Comprehensive security capabilities to satisfy the most demanding requirements.

### INTEROPERABILITY

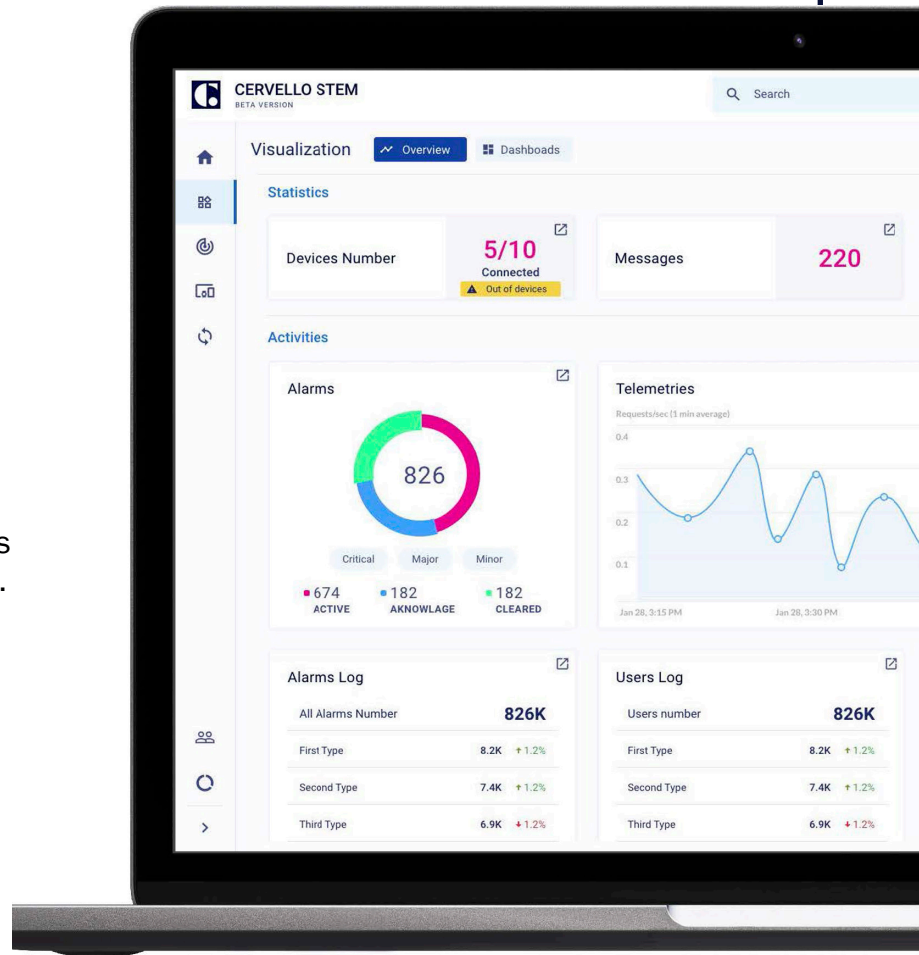
Integrate it with significant amount of legacy operations technologies including SCADA, M2M and other on-premises infrastructures.

### SCALABILITY

Access as much or as little data as you need, and scale up and down as it is required by adding new devices.

### PROGRAMMABILITY

It has remote control, and flexible and adaptable configurations with drag and drop, and custom code.



# CERVELLO STEM IoT PLATFORM: FEATURES

## Save your time managing devices



### Data Collection

Multiple protocol listeners to collect data from MQTT, CoAP, etc.



### Data Processing

Make a lot of aggregation functionalities on data telemetries before it is saved on the fly.

## Locate your devices quickly



### Location Monitoring

See the past and present location of all of your devices connected to the cloud during the day.



### Asset Visualization

Visualize current and past locations of devices with the map widget. It provides a map view of location history for any device or asset.

## Automate based on real time data



### Command Templates

Create a template of commands with dynamic variables to be assigned to millions of devices.



### Rules Engine

Set multiple rules and conditions using an intuitive user interface without coding. Program what to do in case of success or failure.

## Remote monitor, get notified in real time



### Alarms

Set alarms with different severity levels and expose them to be handled by dashboard operators.



### Events

Set and save specific events. Events are not alarms but it is something you need to log when it occurs. For example, a bus makes a stop to pick up a passenger.

## Connect anything to Cervello Stem



### 3rd Party Integrations

Send or receive data from third parties' systems.



### No SDK

No need to use any SDK to send or receive data from Cervello. No need to change devices firmware, or use specific topic in MQTT.

## Design your dashboard, arrange widgets



### Customized Dashboard

Create in a drag and drop fashion real time visualized dashboards to analyze your IoT application current or previous state.



### Dashboard Widgets

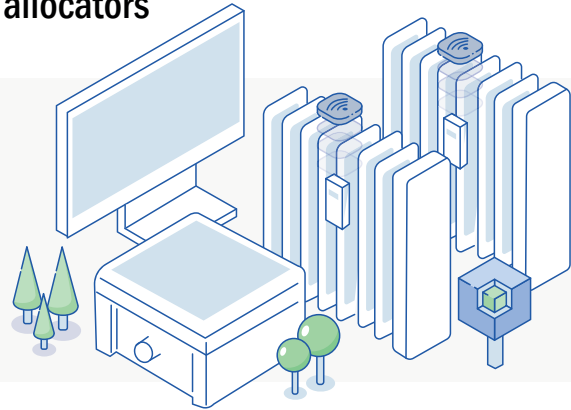
Visualize your data using a variety of components for different solutions with more than 30 components out of the box: charts, graphs, control, maps.

## • MTX-DIGITALHEAT SYSTEM •

### Smart IoT system for the telemetry of heat cost allocators

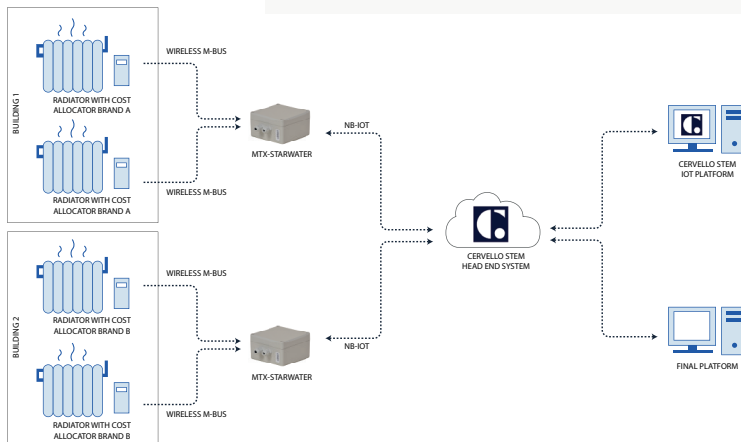
NEW IN 2021

MTX-DigitalHeat is a smart system for the wireless collection of measurements of heat cost allocators and their subsequent sending through narrow-band communications (NB-IoT). A Head End System platform extracts and unifies the information for its delivery to any final management platform.



### HOW DOES IT WORK?

MTX-DigitalHeat is a smart system for the wireless collection of the measurements of heat cost allocators and their subsequent sending through narrow-band communications (NB-IoT). Cervello Stem then acts as Head End System, unifying all the frames received and sending them to the customer's final platform or to Cervello Stem IoT Platform.



#### 1. Data collection: MTX-StarWater

Industrial IoT modem with NB-IoT, wireless Mbus, IP67 and primary batteries.



NB-IoT



Wireless Mbus



Internal batteries



Ultra Low Power



Industrial temperature



IP66/67



Remote configuration



Remote update

#### 2. Storage and Transmission

It stores the collected data in the internal memory and sends it, in the configured connectivity windows, via NB-IoT to Cervello Stem IoT Platform.

#### 3. Unification: Head End System

The data frames are transformed in Cervello Stem (Head End System), unifying the protocols and sending a single frame fully integrated with the final platform.

#### 4. Data Visualization & Device Manager

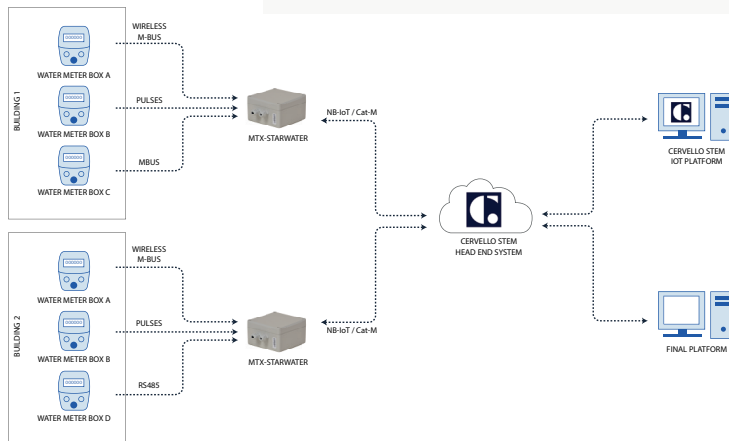
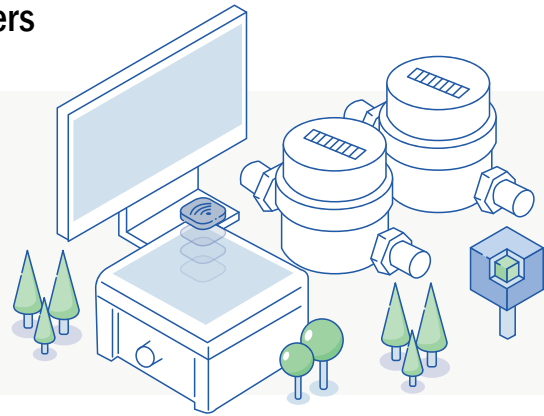
MTX-DigitalHeat System works in a transparent and fully integrated way with any final cost sharing and billing platform. By receiving a single unified data frame, the exclusive dependence on a manufacturer of cost allocators and/or platform provider disappears. In addition, Cervello Stem also works as an IoT platform for the management of devices and data visualization.

# MTX-DIGITALWATER SYSTEM

## Smart IoT system for the telemetry of water meters

NEW IN 2021

MTX-DigitalWater is a smart system for the collection of water meter measurements and their subsequent sending through narrow band communications (NB-IoT or Cat-M). A Head End System platform extracts and unifies the information to send it, regardless of the meter brand and the final platform.



### HOW DOES IT WORK?

The MTX-StarWater device collects all the information from the water meters through different interfaces and protocols, stores the data and sends it to the cloud via NB-IoT/Cat-M in the established connection windows. Cervello Stem then acts as Head End System, unifying all the frames received and sending them to the customer's final platform or to Cervello Stem IoT Platform.

### 1. Data collection: MTX-StarWater

Industrial IoT modem with NB-IoT/Cat-M, IP67 and primary batteries.



NB-IoT/  
Cat-M



RS485



Internal  
batteries



Ultra Low  
Power



Industrial  
temperature



IP66/67



Remote  
configuration



Remote  
update

### 2. Storage and Transmission

It stores the collected data in the internal memory and sends it to Cervello Stem IoT Platform, in the configured connectivity windows, through NB-IoT or Cat-M.

### 3. Unification: Head End System

Data frames are transformed in Cervello Stem (Head End System), unifying the protocols and sending a single frame fully integrated with the final platform.

### 4. Data Visualization & Device Manager

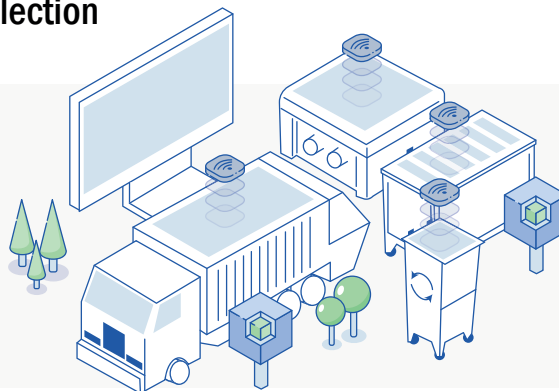
MTX-DigitalWater System works in a transparent and fully integrated way with any final water management and billing platform. By receiving a single unified data frame, the exclusive dependence on a manufacturer of water meters and/or platform provider disappears. In addition, Cervello Stem also works as an IoT platform for the management of devices.

# • MTX-DIGITALECO SYSTEM •

## Complete IoT system for the selective waste collection

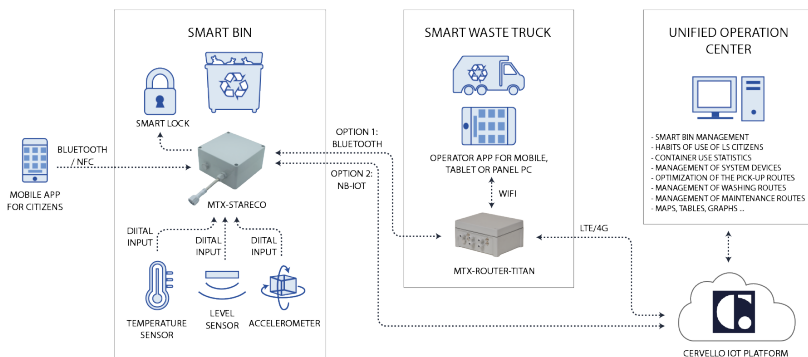
NEW IN 2021

MTX-DigitalECO System is a complete solution, turnkey and adaptable to different scenarios, for selective waste collection. It includes solutions for filling control, bin opening management, and unified operations system (smartphone apps, route management, operation center, etc.).



## HOW DOES IT WORK?

MTX-DigitalECO System consists of four environments. On the one hand, it manages the openings and monitors the status of the bins. On the other hand, it provides connectivity to the truck, along with an app for the operators. In addition, another app for the users identifies every opening. Finally, everything is managed from a unified operations center in the cloud.



### 1. Smart Bins: MTX-StarECO

The MTX-StarECO modem manages the openings through the identification the users, and monitors the status of the bin (fill level, temperature, movement). The data is sent periodically through NB-IoT or Bluetooth. It works autonomously with batteries.

	NB-IoT		Bluetooth		NFC
	Digital I/Os		Acceler.		Relay
	IP66/67		Remote configuration		Remote update

### 2. Smart Trucks

The MTX-Router-Titan provides the truck with LTE/4G and WiFi connectivity. Through an app, the operators can check the route and the alerts, and report incidents.

### 3. App for Citizens

Users can identify themselves and open the bin using an app on their smartphones or an NFC device (card, tag, mobile app).

### 4. Unified Operations Center

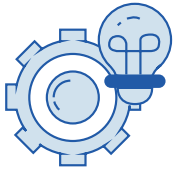
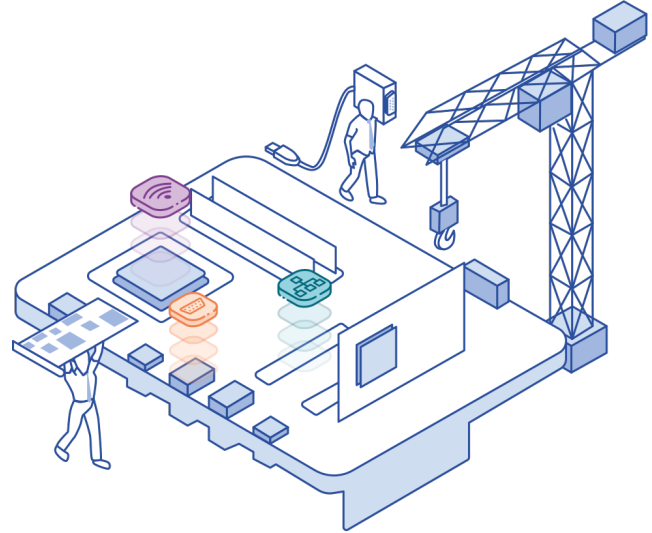
Using Cervello as the core, an integral platform that allows managing the deployed devices, knowing the status of the bins, registering openings, monitoring the collection process and displaying statistics about user patterns, among other things.

## IoT PROJECT DEVELOPMENT

At MTX we have a complete team of R&D engineers devoted to the development of hardware, firmware and software, both for generic solutions and customized projects.

We are specialized in the development of large custom projects for all kinds of sectors (metering, BMS, transportation, waste management, etc.).

We are committed to offering an integral solution to any IoT project. From the design and manufacturing of IoT devices to the programming of our IoT platform, Cervello, we adjust our solution to meet the needs of your project.



### OUR DEVELOPMENT TEAM MAKES YOUR PROJECT A REALITY

Flexitron Group has a team of 70 R&D engineers exclusively dedicated to the development of both generic and customized products, to meet the needs of our customers.



20 hardware engineers



10 firmware engineers



40 software engineers



### A STRONG TECHNICAL SUPPORT TEAM

We have a team of specialized engineers who will provide you with one of the most advanced technical support in the IoT industry.



17 engineers dedicated to offer technical support



24 hours a day, 365 days a year



## • CASE STUDIES •

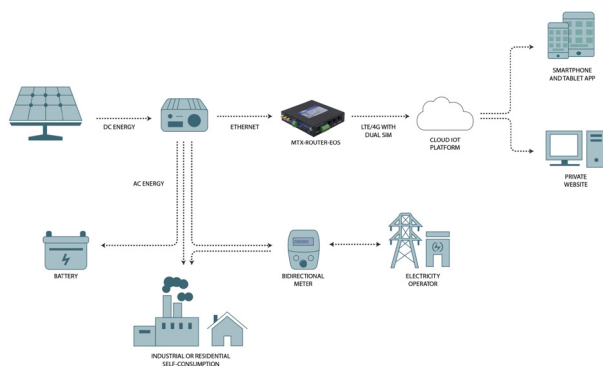


### Monitoring of Solar Installations for Self-Supply

For the monitoring of the status of the devices and the consumption and energy generated, a communication equipment is needed to receive data from the inverters and to send it to the cloud, so the pertinent IoT platform can analyze it. This is especially relevant in industrial environment solar installations, where fail-proof LTE/4G connectivity is required.

**Device:** MTX-Router-EOS

**Platform:** Integrator's platform

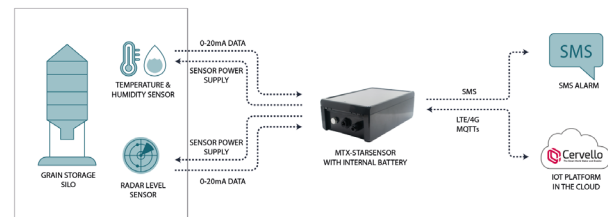


### Storage Silos Monitoring

In storage silos there are three variables that need to be monitored periodically. On the one hand, temperature and humidity guarantee the ideal storage conditions. On the other hand, probably the biggest challenge is measuring the level. These silos, normally found in rural, agricultural or industrial environments, are usually devoid of any kind of power supply, so a self-sufficient solution is essential both for the sensors and for the communications equipment that will receive the data and send it to the cloud, where it will be processed.

**Device:** MTX-StarSensor

**Platform:** Integrator's platform





## CASE STUDIES

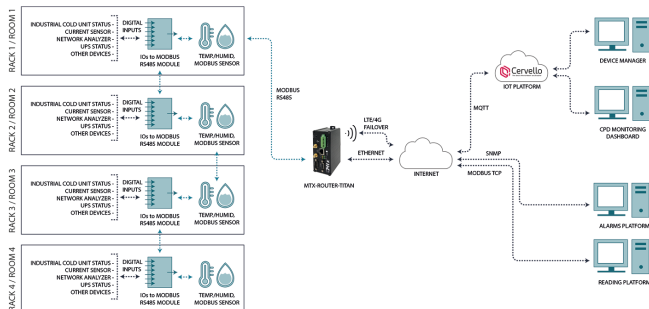


### Data Center Monitoring

A typical solution is organized in four rooms, each one with a modbus temperature and humidity sensor and a connectivity module with up to 16 digital inputs and a modbus output to which the sensors and the equipment are connected: an industrial cold unit, a network analyzer, UPS, sensors or any other device with digital outputs. Internet connectivity via Ethernet is established as the main means of communication and, in the event of a network crash, it is necessary that the connectivity device can also access the network using LTE/4G technology.

**Device:** MTX-Router-Titan II

**Platform:** Cervello Stem IoT Platform

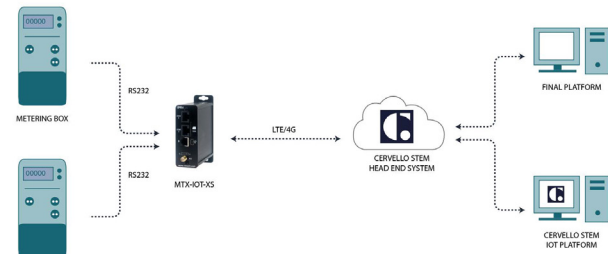


### Smart Metering for Electric Meters

For smart metering it is important to provide 4G/LTE communications to the meters with a low cost, without taking up too much space in the meter boxes and adapting to the interfaces these devices have. To do this, we need a basic and compact modem that can be easily installed and configured, allowing serial data connectivity (up to 2x RS232 interfaces and optional RS485) in RJ45 ports), and that sends the data via 4G/LTE. Furthermore, it is important that, in the meters that allow it, the modem can be powered from the meter itself thanks to an RJ11 power supply interface.

**Device:** MTX-IoT-XS, 4G

**Platform:** Cervello Stem IoT Platform



## IoT GATEWAYS



### MTX-GTW II-S

Advanced LTE/4G industrial IoT gateway

- 4G LTE/4G connectivity
- Ethernet
- 2x RS232
- RS422
- RS485
- WiFi
- USB 2.0
- Digital inputs
- RF expansion
- Linux
- AT commands
- DHCP
- Firewall
- NodeRed
- Java compatible



### MTX-GTW II-R

LTE/4G industrial IoT gateway with dual Ethernet

- 4G Optional modem
- Dual Ethernet
- RS232
- RS485
- WiFi
- USB 2.0
- CAN
- Rugged connectors
- Linux
- AT commands
- DHCP
- Firewall
- Java compatible

## ACCESORIES

### Power Supplies

All kinds of power supplies and Li-Po batteries for industrial devices with IoT and M2M connection.

### Antennas

4G, 3G, 2G, WiFi and GPS antennas in several formats and different types of cables, lengths and connectors.

### RF and Data Cables

Coaxial and data cables with different types of cables and connectors.

### Connector Adapters

RF and data connectors adapters: SMA-FME, DB15 terminal block, DB15-DB9...

### DIN Rail Accesories

Accessories for the assembly of DIN rail with MTX devices.



Read the QR code and discover all available accessories for MTX devices in our catalog and website.

## SENSORS

### Temperature & Humidity Sensors

Temperature & Humidity sensors with RS232 or RS485 communications. With IP65, ideal for applications requiring ruggedness and reliability.

### Proximity & Position Sensors

Ultrasonic sensors with RS232/I2C/ analog communications. With IP67, ideal for applications requiring ruggedness and reliability.

### CO2, CO & Air Quality Sensors

Designed to detect concentration of carbon dioxide. Indoor and outdoor models available.

### Pressure and Level Sensors

Pressure and Level sensors for the measurement of liquids, gases, etc.



Read the QR code and discover all the sensors compatible with MTX devices in our catalog and website.

## R&D Offices

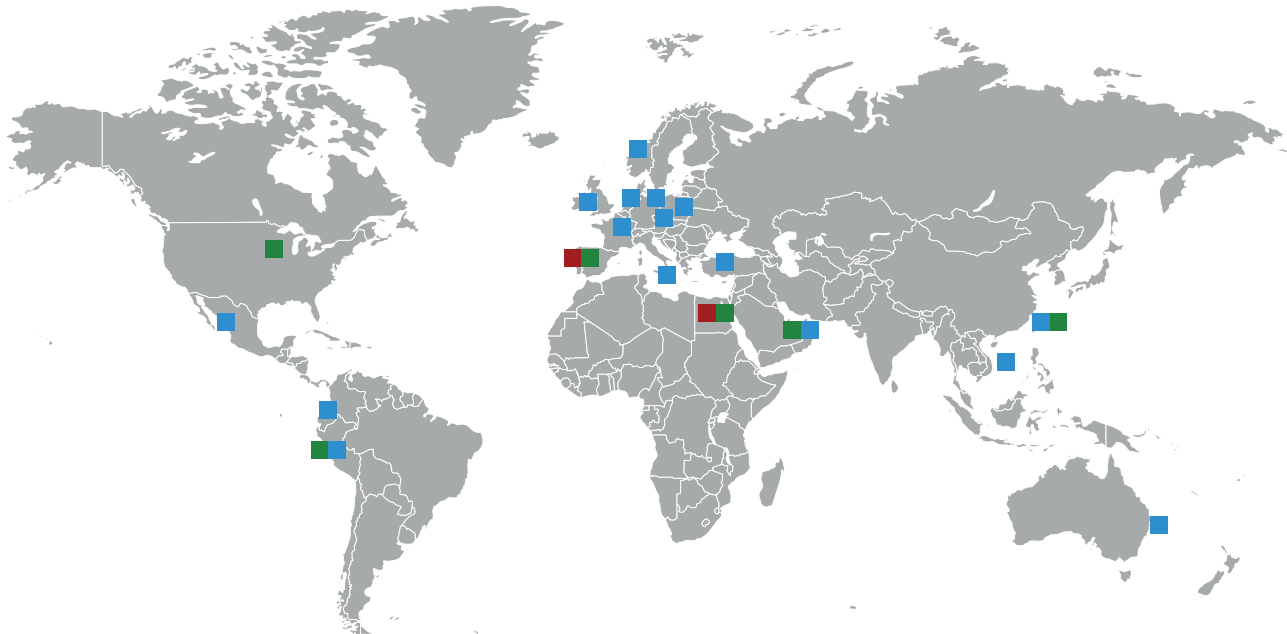
- Madrid (Spain)
- Barcelona (Spain)
- Seville (Spain)
- Cairo (Egypt)

## Commercial Offices

- Madrid (Spain)
- Barcelona (Spain)
- Lisbon (Portugal)
- Dubai (MEA)
- Chicago (USA)
- Cairo (Egypt)
- Lima (Peru)
- Taipei (Taiwan)


## Distributors



- Syscom-ProREP (France)
- Tyrrell (UK)
- Oritech (Vietnam)
- Fortec (Germany)
- Sigint Solutions (Cyprus)
- Scatek (Turkey)
- Delta M2M (Denmark)
- Ares M2M (Peru)
- Smart Leader (Taiwan)
- Enertronics (Mexico)
- FCC PS (Czech Rep.)
- Australis (Australia)
- Lucom (Germany)
- Maritex (Poland)
- Alcom (Benelux)
- Elteco (Norway)
- Amplicon (UAE)
- Liseng (Hong Kong, China)





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