ineo·sense
BRINGING SENSE TO WIRELESS

Product Catalog
2025

Solutions adapted to all of your needs

TRACE
Identify, locate

SECURE
Protect, control

COLLECT
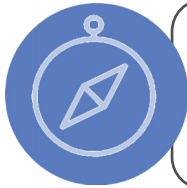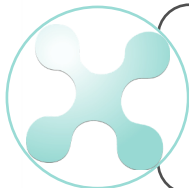Enhance, supervise

INFORM
Report, alert

Bespoke solutions

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TRACER

Identify, locate

Real-time indoor—outdoor geolocation

- TRK-Tracer®

- TRK-Tracer-GPS®

- TRK-Tracer-NOTE®

- TRK-Zon®

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TRK-Tracer®

Locate, identify and inventory your equipment

USE CASES

Production flow tracking

Analysis

Stock management

109 mm

59 mm

Clover-Net LoRaWAN™

PRODUCTION FLOW TRACKING

Tracks the progress of production steps in real time. Identifies priorities. Finds the boxes out of process.

ANALYSIS OF THE USE RATE

Inventories and locates major tools or construction equipment. Detects exits from the operating area. Ensures that construction equipment is properly loaded. Reduces theft.

STOCK MANAGEMENT

Analyses transport times and use rates. Inventories packaging on each site for better operation.

AVAILABLE OPTIONS

• Buzzer-type audible alarm,

• Customisation on request:

  * Specific business functions
  * Case colour and labelling

TRK-Tracer-BUZZ

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TRK-Tracer-GPS®

Autonomous location and GPS (GNSS)

109 mm

59 mm

USE CASES

Managing, locating and securing your equipment fleets

Tracking of assets, containers and sensitive parcels

MANAGING, LOCATING AND SECURING YOUR EQUIPMENT FLEETS

TRK-Tracer-GPS allows you, in real time, to know the location of all your equipment (work engine, welding station, dumpster, compressor, etc); in addition, its motion sensor will allow you to know its run time.

Thanks to this remote management, you are able to make resource allocation in line with your needs, apply a billing to use and optimise your maintenance rounds for the dispatching of your equipment.

TRACKING OF ASSETS, CONTAINERS AND SENSITIVE PARCELS

Geolocates of your assets and controls storage temperature with an integrated temperature sensor. Records all events during the journey. Reduces risk of theft.

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TRK-Tracer-NOTE®

Digitalisation of visual management & dynamic production

USE CASES

Production flow monitoring

Dynamic tracking sheet

Inventory management

PRODUCTION FLOW MONITORING

The TRK-Tracer-NOTE allows you to follow the progress of production steps in real time, identify priorities, find out which box are out of process, etc.
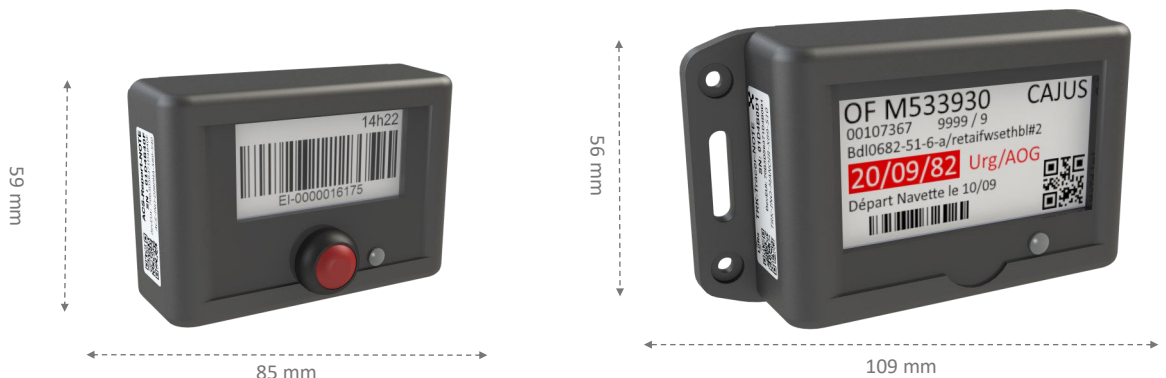
DYNAMIC TRACKING SHEET

The ePaper display can replace the routing sheets dynamically to inform about priorities and urgencies but also to indicate additional information related to a production batch.

STOCK MANAGEMENT

The TRK-Tracer-NOTE allows you to monitor production line progress in real time. It also allows you to keep track of items at different locations and optimise production.

Option available : Call button / With or without flange

59 mm

85 mm

14h22

EI-0000016175

56 mm

109 mm

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20/09/82 Urg/AOG
Départ Navette le 10/09

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TRK-Zon®

USE CASES

Inventory and stock management

Check in / Check out

Workflow monitoring

INVENTORY AND STOCK MANAGEMENT

Keeps track your equipment by simply installing a zone beacon in storage locations. Ineo-Sense TRK-Tracer tags identify the beacon and trace the information back to the network.

CHECK IN / CHECK OUT

Identifies inbound and outbound assets at your guard posts, on the fly and in real time, without having to open your vehicles.

TRACKING PRODUCTION FLOWS

Tracks the progress of production steps in real time by judiciously positioning the zone beacon at each stage.

161 mm

91 mm

TRK-Zon
SN : 01D4B40F
DevEUI : 70B3D56371D4B40F
TRK-ZON-MAIR-X89-640

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SECURE

Alert, Control

Give your security staff the real-time data they need

- ACS-Switch®
- ACS-Switch-PIR®
- ACS-Switch-TOF®
- ACS-Switch-HYGRO®
- ACS-Switch-BUZZ®
- ACS-Switch-BP®
- ACS-Switch-REED®
- ACS-Padlock-II®

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ACS-Switch®

Detection of openings and positions

109 mm
59 mm

Clover-Net LoRaWAN™

USE CASES

Access control **Fire safety** **Cold room** **Infrastructure management**

ACCESS CONTROL

Detects openings and closings of doors, gates and roof windows, etc. Allows you to detect intrusions and count passages.

FIRE SAFETY

Monitors hatches, fire safety domes or fire doors thanks to tilt measurement.

COLD ROOM

Detection of openings of transport vehicle doors along with the temperature monitoring. Alarm sent in the event of a break in the cold chain.

MANAGEMENT OF INFRASTRUCTURE AND ENGINEERING STRUSTURES

Securing loading docks and trailers. Monitoring of shuttle boxes and containers of all types by detecting shocks, vibrations and temperature measurement.

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ACS-Switch-PIR®

Infra-Red presence detection (PIR)

USE CASES

Intrusion detection

Facilities management

Counting

INTRUSION DETECTION

Monitors accesses on premises by infrared detection (PIR). Optimises on-call duties and security checks.

FACILITY MANAGEMENT

Occupation rate of meeting rooms and areas open to the public for a better organization and optimization of maintenance checks.
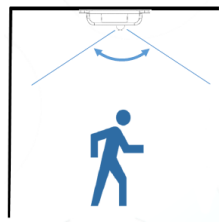
COUNTING (ACS-Count-IR)

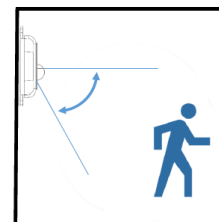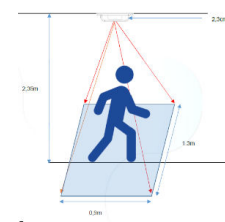Monitor access and count people, bikes or cars: public restrooms, bike stations, car parks, etc.

85 mm

59 mm

AVAILABLE OPTIONS:

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LoRaWAN™

PIR 5m: Ceiling position

PIR 12m: Wall position

PIR 5m: barrier

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ACS-Switch-TOF®

Distance measurement

109 mm

59 mm

USE CASES

Level detection

Process improvement

Bicycle rack management

LEVEL DETECTION

Management of containers fill level: dumpsters, bins, tanks, etc. Notifications when the thresholds are exceeded.

PROCESS IMPROVEMENT

Monitors a piece of equipment, a frame offset or a moving mechanical element. ACS-Switch-TOF fits into industrial and tertiary process improvement.

BIKE STATIONS MONITORING

Presence detection of bicycles at bike stations. The autonomous, wireless optical reflection sensor detects the presence of a bicycle and notifies its arrival and departure.

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ACS-Switch-HYGRO®

USE CASES

Storage area

Industrial process

Off-line cold chain

STORAGE AREA

The ACS-Switch-HYGRO is a self-contained, easy-to-use instrument to measure the temperature and humidity of storage areas in order to comply with storage standards.

INDUSTRIAL PROCESS

Control of heating processes and communication of essential information. In case of anomaly, refer to the ACS-Switch records.

OFF-LINE COLD CHAIN

Monitor your cold chain without special connectivity. Consult the ACS-Switch's history directly to check that cold chain has not been compromised.

85 mm

59 mm

LoRa ✕ ESG-Logger-HYGRO
SN : 01D4B40F
70B3D56371D4B40F
CE 868MHz · 25mW
EN300-200
Model : ESG-INE-THMMIR-X89-610

Clover-Net LoRaWAN™

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ACS-Switch-BUZZ®

Autonomous alarm

85 mm

59 mm

USE CASES

Safety alert

Remote alarm

Process alarm

SAFETY ALERT

Equipped with a buzzer and an intelligent sensor (tilt, movement, magnetic environment, etc.), you will be warned of an abnormal position (opening or closing) of accesses such as fire doors, hatches, fire domes, etc.

REMOTE ALARM

Combined with other types of sensors, ACS-Switch-BUZZ will warn you if a process is not respected or if a fixed value (temperature, humidity, tilt) is exceeded.

PROCESS ALARM

Alarm is triggered if an abnormal position is detected along with a timer (fridge door to make sure the cold chain is respected, industrial oven, boiler, etc).

Clover-Net LoRaWAN™

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ACS-Switch-BP®

Connected button

USE CASES

Supply management

Alert

Process improvement

118 mm

68 mm

LoRa
ACS-Switch-BP
SN : 01D4B40F
70B3D56371D4B40F
868MHz - 25mW
EN300-200
Model : ACS-INO-BPMMLD-X89-511

SUPPLY MANAGEMENT

Initiate a supply request through a simple connected button. The request is immediately transmitted and can be validated through the product LED.

ALERT

Transmit an alert message when reporting an equipment failure.

PROCESS IMPROVEMENT

Signal a start or an end of an operation, report a delay, defer a machine order or launch a flow.

AVAILABLE OPTIONS:

2 or 3 buttons models (colour to choose from: blue, red, green, yellow, black or white),

Clover-Net **LoRaWAN**™

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ACS-Switch-REED®

Opening detection internal/external REED, dry contact

118 mm

68 mm

ACS-Switch
SN: 01D3CFA4
DevEUI 70B3D5637123CFA4
868MHz - 25mW
EN300-220
ACS-INO-MMIR-X89-510

Clover-Net LoRaWAN™

USE CASES

Access control   Fire safety

ACCESS CONTROL

Detection of openings and closings of doors, gates, roof windows, etc. Allows you to detect intrusions and count passages.

FIRE SAFETY

Monitoring of hatches, fire safety domes or fire doors.

AUTONOMOUS AND MAGNET-FREE DETECTION

The ACS-Switch detects the opening and closing of sashes either by internal or external REED or external dry contact.

AVAILABLE OPTIONS:

Specific sensor on request

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ACS-Padlock-II®

Reusable connected seal

USE CASES

Transportation Road **Electrical Consignment** **Access Managment** **Logistics**

ROAD TRANSPORT

Monitors your cargoes for the duration of the transport. Lock and unlock notification. Fraud alert.

ELECTRICAL CONSIGNMENT

Manages the consignments of electrical cabinets and their various protection devices and controls.

LOGISTICS

Control of connected padlocks to secure loading docks. Remote control of the padlocks.

ACCESS MANAGEMENT

Secures access. User management with rights allocation. Fraud alert and notification of locking/unlocking with user identification.

70 mm

97 mm

NEW

Clover-Net LoRaWAN™

IECEx Ex

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COLLECT

Enhance, Supervise

Monitor your equipment and prevent issues efficiently

- ESG-Logger®

- ESG-Logger-NRJ®

- ESG-Logger-PULSE®

- ESG-Logger-TEMP® *external probe*

- ESG-Logger-LC®

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ESG-Logger®

Recorder for analog probes

USE CASES

Level measurement

Pressure control

Battery supervision

LEVEL MEASUREMENT

Using the ESG-Logger with a potentiometric level probe allows monitoring of the level of a tank or container. It thus makes it possible to optimize filling management and better manage stock shortages.

PRESSURE CONTROL

With a pressure probe, ESG-Logger detects pressure changes and levels and alerts on thresholds. Your supervision becomes more efficient, more accurate and your maintenance operations are optimized.

BATTERY SUPERVISION

The analog interface allows the measurement of a DC voltage of 5V, 12V or 24V. The supervision of different types of batteries is made possible by the ESG-Logger.

Clover-Net

LoRaWAN™

IECEx

Ex

NEW

107 mm

85 mm

140 mm

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ESG-Logger-NRJ2®

Electricity consumption tracking

USE CASES

Consumption
distribution

123

Metering

Preventive
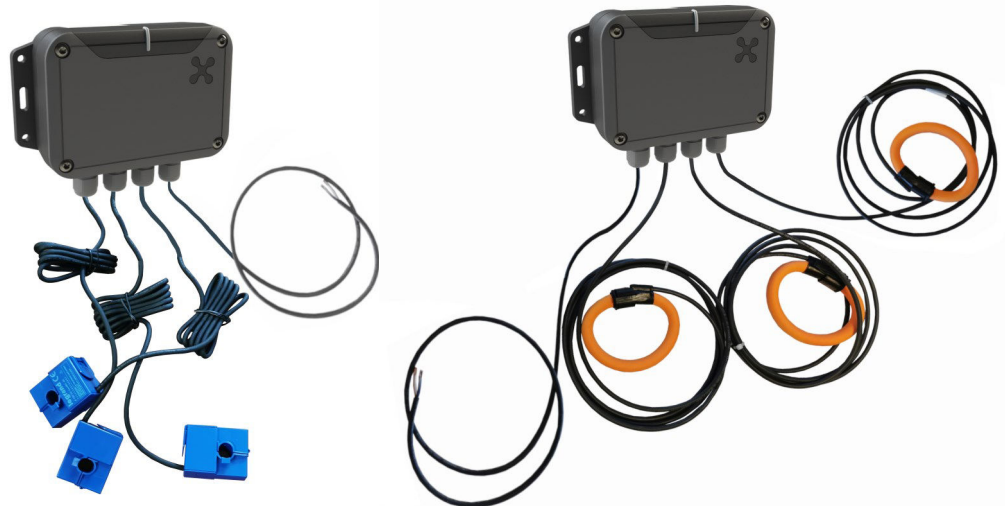maintenance

CONSUMPTION DISTRIBUTION

The ESG-Logger-NRJ allows you to measure the consumption of different energy items in your industrial facilities in order to identify the major consumption items.

METERING

Plug and Play solution: simple consumption monitoring without wiring allowing its use in various locations.

PREVENTIVE MAINTENANCE

Monitoring of electrical installations to identify consumption patterns, forecast overconsumption and breakdowns.

NEW

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ESG-Logger-PULSE®

Monitoring of consumption by pulse counting

109 mm

59 mm

USE CASES

Consumption reporting

Leak detection

Usage period

CONSUMPTION REPORTING

Consumption reading from pulse meters. Easy to install and to connect.

LEAK DETECTION

Detection of anomalies thanks to its calendar operation and the on-board processing of the pulse meter.

USAGE PERIOD

Behavioral monitoring to determine an operating profile.

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IECEx Ex

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ESG-Logger-TEMP® *External probe*

Surface temperature control

109 mm

59 mm

Clover-Net LoRaWAN™

USE CASES

Industrial process

Monitoring of heating plant

Off-line cold chain

INDUSTRIAL PROCESS

Monitor your paint booths, your ovens, your heating processes and report only the essential. In case of anomaly, refer to the records of our ESG-Logger.

MONITORING OF HEATING PLANT

Measure the inlet and outlet temperature of your plants by adding a sensor and simply contacting the probes at the connections.

OFF-LINE COLD CHAIN

Monitor your cold chain without any particular connectivity. Once arrived at your destination, consult the ESG-Logger's history directly to check that cold chain has not been compromised.

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ESG-Logger-LC®

Connected weighing plate

Stock control   Kitting management   Identification of stock movements

STOCK CONTROL

Lack of stock of an item in a production or maintenance organization can lead to production stoppages or material downtime. Real-time monitoring of your stock level solves this risk and enables better planning. Critical stock level information allows to generate automatic restocking calls.
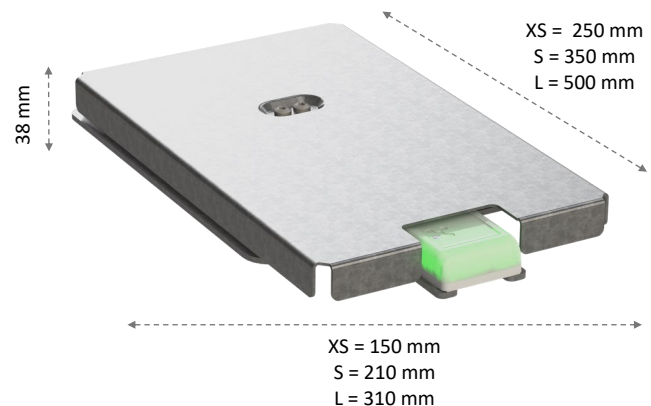
KITTING MANAGEMENT

When preparing a kit of materials or accessories, handling errors are common. Weight control can come in addition to validate each item and the global weight of the preparation. These automated controls bring a complementary validation.

IDENTIFICATION OF STOCK MOVEMENTS

Our ESG-Logger-LC integrates an alert on weight deviation measurement allowing to inform in real time of any stock movement. This real-time measurement can be coupled with the (optional) Pick-to-light function, available in order, to guide the logistics operators in their order picking mission.

3 models are available : XS, S and L

2 maximum weight options: 15 or 50 kg

38 mm

XS = 250 mm
S = 350 mm
L = 500 mm

XS = 150 mm
S = 210 mm
L = 310 mm

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22

INFORM

Report information and data in real time

- REP-Report-NOTE[®]

- REP-Report-LED[®]

- REP-Report-IO

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REP-Report-NOTE®

Connected display & event activator

USE CASES

Industrial processes

Logistics & transportation

Facility management

TRANSPORT & LOGISTICS

Simple and efficient visual identifier to inform drivers, operators or production staff of the content, quantity, availability and/or destination of the goods.
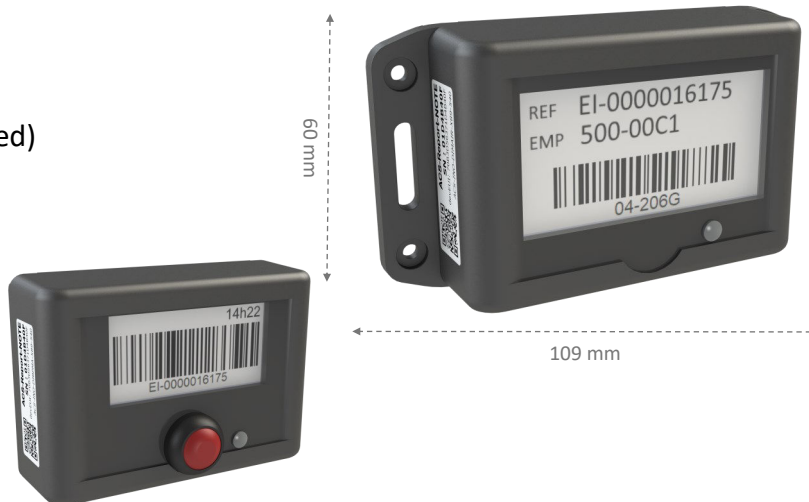
INDUSTRIAL PROCESSES

View and update production and flow information in real time. Manage tasks by priority or status and present this information to operators.

ACCESS MANAGEMENT

Update the information displayed remotely according to the status of the action. Automatic update or force update with the "Tap" function.
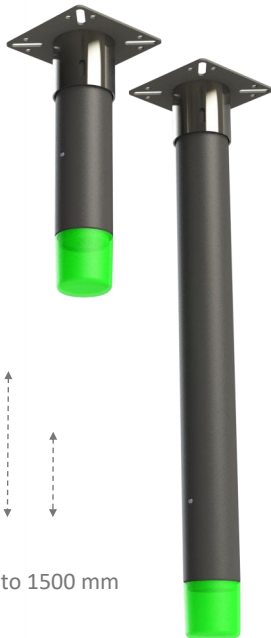
AVAILABLE OPTIONS :

- 3 color displays (white, black and red)
- Call button on the front
- Pick-to-light function with LED
- PIR detector on the front
- Indoor LoRa geolocation
- Embedded business process

60 mm

109 mm

Clover-Net

LoRaWAN™

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REP-Report-LED®

Autonomous light indicator

USE CASES

Logistics and Trans-
port

Security alert

Industrial pro-
cesses

From 200 to 1500 mm

LOGISTICS AND TRANSPORTATION

Simple and effective visual signal to inform drivers or operators where to go or deliver a package in a warehouse.

SECURITY ALERTS

Column type or flashing light signal to indicate different security status. You can add the ACS-Switch-BUZZ to have a sound alert.

INDUSTRIAL PROCESS

Monitors the health condition of a machine. Manages tasks by priority or by status with different LED colours.

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REP-Report-IO®

Actuator / Opening sensor

Door opening	Motor activation & actuators	Report of state

USE CASE

DOOR OPENING

Thanks to its real-time bidirectional communication mediums, the REP-Report-IO allows the supervision and activation of electric latches as far as 500m away, without any cable. Typically used for access doors or storage containers.

MOTOR ACTIVATION AND ACTUATORS

This sensor integrate 2 independent power relays (230Vac / 5A) that enables, for example, the control/command of motors or actuators. The all-or-nothing inputs (dry contact) will detect the return of a position switch indicating the correct activation of the device, or other useful information. In addition, and the weekly calendar allows routine operations to be set up in advance.

REPORT OS STATE

It can be used for mutual status. In this case, 2 REP-Report-IOs are paired by configuration, the change of state in the input of one can activate the output relay of the other, thus allowing immediate remote status transfer and overriding wiring between an activation contact and the motor or actuator.

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NEW

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Bespocke solutions

The heart of our devices is the Clover-Core®, our proprietary technological platform. Its versatility allows Ineo-Sense to design custom sensors to match your exact need. We fully control both the hardware and firmware, and our products are designed in France and made in the EU.

Our expertise in different communication networks (LoRa, Sigfox, BLE, LTE-M and NB-IoT) means we can offer you the most suitable solution depending on your specific IoT use case.

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News

Stay connected and more and more especially with the upcoming arrival of new cellular technology such as **LTE-M** and **NB-IoT** which will soon be integrated into our products...

Contact us for more information.

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