

ineo·sense

BRINGING SENSE TO WIRELESS

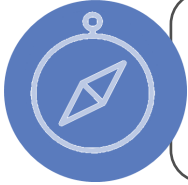


Product Catalog

2023



Solutions adapted to all of your needs



TRACE

Identify, locate

SECURE

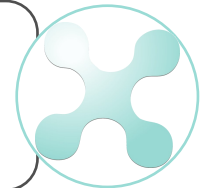
Alert, control

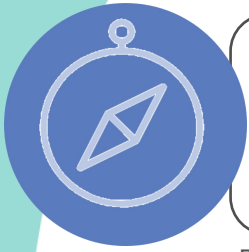


COLLECT

Enhance, Supervise

On demand solutions





TRACER

Identify, locate

Real-time Geofencing

On-the-fly inventory

- TRK-Tracer[®]
- TRK-Tracer-GPS[®]
- TRK-Tracer-Note[®]
- TRK-Zon[®]



TRK-Tracer®

Locate, Identify and Inventory Your Equipment

USE CASES



Production
flow tracking



Analysis of the
usage rate



Stock
management



PRODUCTION FLOW TRACKING

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

ANALYSIS OF THE USAGE RATE

Inventories and locates big tools or construction equipment. Detects exits from the operating area. Ensures that construction equipment are properly loaded. Reduces thefts.

STOCK MANAGEMENT

Analyzes transport times and usage rates. Inventories packaging on each site for better operation.



LoRaWAN™



TRK-Tracer-GPS®

Autonomous location and GPS (GNSS)

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...); 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 optimize 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.



LoRaWAN™



TRK-Tracer-Note®

Digitalization of visual management
& dynamic production order tracking

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 boxes are out of process, etc.

DYNAMIC TRACKING SHEET

The ePaper display offers the possibility to replace the routing sheets. The dynamic side allows 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 for better exploitation.



56 mm



109 mm



TRK-Zon[®]

Autonomous LoRa zone beacon

USE CASES



Inventory and stock



Check in /
Check out



Workflow
monitoring



INVENTORY AND STOCK MANAGEMENT

Invents 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.



LoRaWAN[™]



SECURE

Alert, Control

Give your security staff, the real-time data they need

- ACS-Switch[®]
- ACS-Switch-PIR[®]
- ACS-Switch-TOF[®]
- ACS-Switch-Buzz[®]
- ACS-Switch-BP[®]
- ACS-Switch-Temp/Hygro[®]
- ACS-Report-Note-BP[®]
- ACS-Report-LED[®]
- ACS-Padlock-II[®]



ACS-Switch®

Detection of Openings And Positions

USE CASES



Access control



Fire safety



Cold room



Infrastructure management



ACCESS CONTROL

Detection of openings and closings of doors, gates, roof windows... It makes it possible to detect intrusions and count passages.

FIRE SAFETY

Monitors hatches, fire safety domes or fire doors thanks to the 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 WORKS OF ART

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





ACS-Switch-PIR®

Infra-Red Presence Detection (PIR)

USE CASES



Intrusion
detection



Facilities
management



Passage
quantization



INTRUSION DETECTION

Monitors accesses on premises by infrared detection (PIR). Optimizes 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.

PEOPLE COUNTING

People counting, 2 or 4-wheel drive vehicles for access monitoring : public restrooms, bike stations, car parks...

Options

- PIR 5m
- PIR 12m
- Barrier
- Passage direction





ACS-Switch-TOF[®]

Distance Measurement

USE CASES



Level detection



Process improvement



Bicycle rack management



LEVEL DETECTION

Management of containers fill level : dumpsters, bins, tanks... 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.





ACS-Switch-Buzz[®]

Autonomous alarm

USE CASES



Safety alert



Deported alarm



Process alarm



SAFETY ALERT

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

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





ACS-Switch-BP[®]

Connected button

USE CASES



Supply management



Alert



Process improvement



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.





ACS-Switch-Temp/Hygro[®]

Humidity and Temperature Monitoring

USE CASES



Storage area



Industrial process



Off-line cold chain



STORAGE AREA

The ACS-Switch-TEMP/HYGRO is a self-contained, easy-to-use instrument for measuring 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. Once you have arrived at your destination, consult the ACS-Switch's history and verify that there has been no breakage.



LoRaWAN™



ACS-Report-Note-BP[®]

Connected display & event activator

USE CASES



Industrial process



Logistics & Transport



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

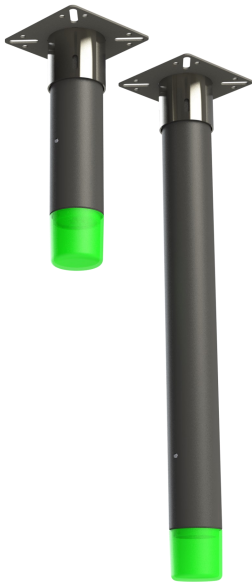
Update the information displayed remotely according to the status of the action. Automatic update or force update with the "Tap" function.





ACS-Report-LED[®]

Autonomous Light Indicator



From 200 to 1500 mm

USE CASES



Logistics and
transport



Security alert



Industrial
processes

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-Report-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 colors.



LoRaWAN™



ACS-Padlock-II[®]

Reusable Connected Seal

USE CASES



Transport
router



Consignment
électrique



Access
Management



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 the various protective organs and controls in electrical cabinets.

LOGISTICS

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

ACCESS MANAGEMENT

Secures access. User management with rights allocation.



LoRaWAN™



COLLECTE

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[®]



ESG-Logger[®]

Recorder for analog probes

USE CASES



Level
measurement



Pressure
control



Battery
supervision



LEVEL MEASUREMENT

The use of the Logger with a potentiometric level probe allows to supervise the level of a tank, a container to monitor its level. It allows to optimize the filling management, to better manage the stock shortages.

PRESSURE CONTROL

The use of the Logger with a pressure probe allows to supervise the tank content, to detect the abnormal loss of pressure, etc. Thanks to the alert management by thresholds, the logger brings supervision means to gain in efficiency during your maintenance operations.

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.

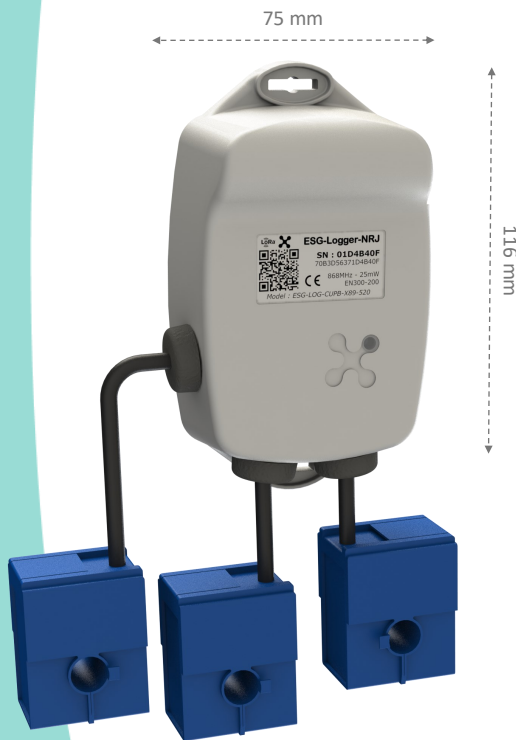


LoRaWAN™



ESG-Logger-NRJ[®]

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'n Play solution: simple consumption monitoring without wiring allowing its use in various locations.

PREVENTIVE MAINTENANCE

Monitoring of electrical installations allowing the realization of consumption templates and the anticipation of overconsumption and breakdowns.





ESG-Logger-Pulse[®]

Monitoring of consumption by pulse counting



USAGE 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.



LoRaWAN™



ESG-Logger-Temp[®] *External probe*

Surface temperature control

USE CASES



Industrial
process



Monitoring of heating
plant



Off-line cold
chain



109 mm

59 mm

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 simply 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 history of our ESG-Logger and check that there was no break.



LoRaWAN™



ESG-Logger-LC[®]

Connected weighing plate

USE CASES



Stock Control



Kitting Management



Identification of
stock movements

STOCK CONTROL

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

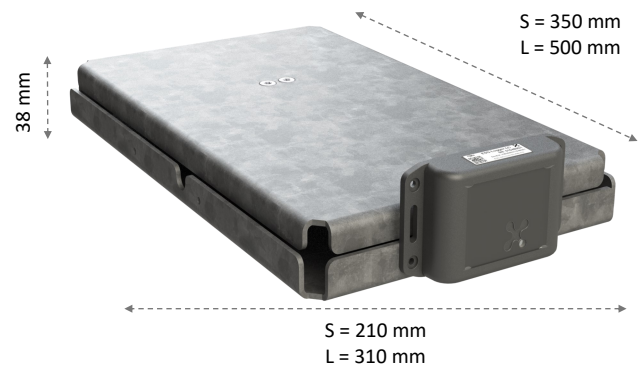
KITTING MANAGEMENT

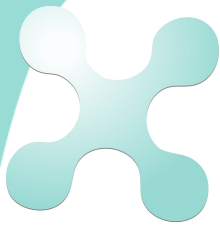
When preparing a kit of materials or accessories, handling errors are common. Weight control can come in addition to validate each item and the global weight of the preparation. These automated controls bring a complementary validation.

IDENTIFICATION OF STOCK MOVEMENTS

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

2 models are available S and L with each
2 maximum weight options: 15 or 50 kg





On demand solutions



Thanks to its generic Clover-Core® technological platform, Ineo-Sense is able to provide **custom sensors**, within **fast deadlines** to provide the most suitable solutions. The perfect knowledge of the **different communication networks** (LoRa, Sigfox, BLE, NBloT, ...) allows Ineo-sense to offer you the better solution to improve profitability of each IOT use case.



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 informations....




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BRINGING SENSE TO WIRELESS

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