







# Whatever means of transportation, **SPY mobility**

## ensures a comprehensive monitoring of your product,

# from shipment to delivery.

A solution designed for all means of transportation from simple shipment of a refrigerated case to long range transport of sensitive goods by air or sea.

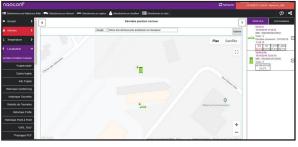
SPY mobility is a **temperature recorder** which allows the **geolocation** of the monitored thermo-sensitive products during transportation.

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In case of temperature excursions, **realtime alarm notifications are sent to different receivers by email or sms/text message** to perform corrective actions and save your goods.

Data are transferred to the cloud and can be managed on a secured platform via smartphone, tablet or PC.

An intuitive web interface to monitor the temperature of your thermo-sensitive products during the shipment and to locate them in real-time on a map.



Current position of vehicle fleet View information by vehicle

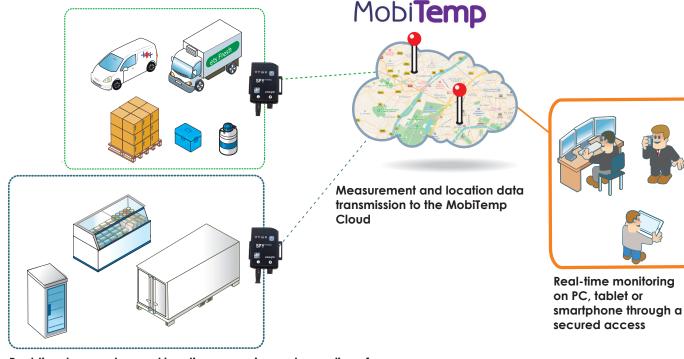


Display of temperature curves and parameter thresholds Information on alarms identified



Alarm

## **Operating principle**



Real-time temperature and location measuring and recording of your thermo-sensitive products in :

- Refrigerated vehicle
- Pallet of goods
- Isothermal box
- Cryogenic tank
- Refrigerated container
- Refrigerated display cabinet, ...

## Technical features

SPY mobility is composed of a GPS/GPRS device and a 5<sup>th</sup> generation digital probe with high metrological quality to meet the requirements for monitoring thermo-sensitive products.

The ISO 17025 calibration of the probe can be performed by a simple exchange, without interruption of monitoring.

#### GPRS transmission device \_\_\_\_

- GPS: 12 GPS channels SIRF IV A-GPS included Accelerometer 3D - Sensitivity : <1mg
- GPRS Modem
- Location : Outdoor GPS / GSM
- Operating conditions : Standard model : -20°C to +60°C Long battery life model : -40°C to +60°C
- Certifications : CE 007 RTTE RoHS EN 12 830\*
- Storage : 10 000 measurements
- Leds function : Module activated **GPRS** transmission Power supply Alarm
- Battery-powered\*\* : Standard model: 12 days Long battery life model : 50 days or mains powered models available
  - Dimensions : Standard model: 89x59x25 mm Long battery life model : 89x59x37,5 mm

#### 5<sup>th</sup> generation digital probe \_

- Measurement range : T:-196°C to +80°C (depending on the probe) T/RH : -30°C to +70°C / 0% to 100% RH
- Type of sensor : Digital
- Memory : Internal Metrological information saved inside
- Models : Temperature Ultra-low temperature Temperature / Hygrometry

### **Probes images**



\*Long battery life model only \*\*With a measure every 15mn and a data transmission on the MobiTemp Cloud every 6hrs

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