



**CONNECTED SENSORS  
& MONITORING SYSTEM  
MEETING YOUR QUALITY NEEDS**

Measurement, monitoring and metrology

# Next generation of connected sensors

Our next generation of connected sensors monitor sensitive products during storage and transportation and ensures the reliable and precise monitoring required by standards and regulations:

EN 12 830, HACCP process, GMP...



## Measuring of various parameters

Temperature, Humidity, Door opening, etc...



## Metrology

We perform metrology services in our ISO 17025 accredited laboratory. The sensors can be delivered with calibration certificates.



## 10 000 data points recording

The sensors are equipped with a internal memory ables to record up to 10 000 data points.



## Real-time Alarms

The sensors are equipped with operating and warning light indicators. Alerts are sent by SMS text message, e-mail and voice message according to your planning alerts



## Easy installation and use

Miniaturized, sensors can be placed the closest possible to your sensitive products. They are automatically detected on the JRI MySirius platform. Colour rings make it easy to determine the configuration of each sensor.

## Hardware

### Nano SPY



Real wireless

The Nano SPY sensors measure and record temperature and humidity in storage areas and during transportation. Data measurements are sent by a 2,4 GHz radio communication to the LINK transmission modules, installed nearby.

- Easy installation in the unit or in a transport box thanks to their small size (63x42x25mm)
- Visual alerts via the warning light indicator of the LINK, in case of alarm
- Suitable for monitoring locations with many sensors on a short distance from the LINK
- No loss of measurements data in case of power failure due to the internal memory

### LoRa® SPY



Long-range communication  
LoRaWAN

The LoRa® SPY sensors measure, record and transmit their data measurements via the LoRa Alliance™ operator network LoRaWAN™ or a private LoRa™ gateway).

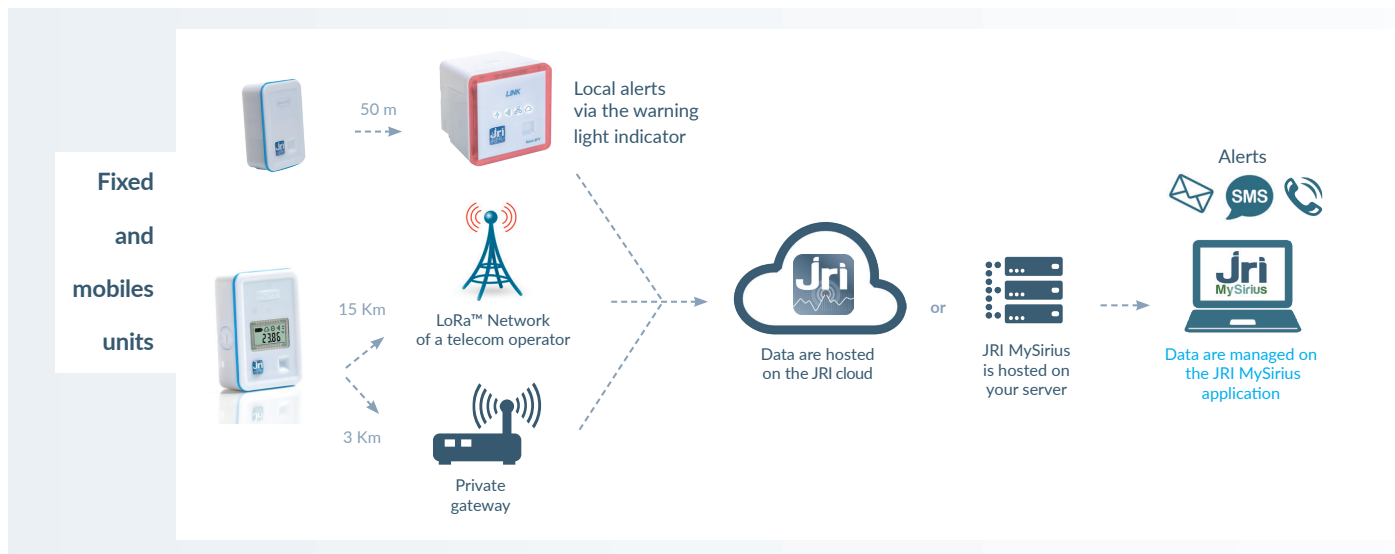
- Monitoring of temperature, humidity, gaz, pressure, countable events, ...
- Very low power consumption (battery life up to 4 years)
- Suitable for monitoring locations with :
  - few sensors
  - storage areas spread on a wide territory
  - a need of real-time transportation
- Direct reading on the LCD display



LoRa means «Long Range». It's a technology which allows to Internet of things to transmit small-sized data measurement on a long distance, using a low power consumption.

The JRI MySirius solution offers different communication networks to answer to your needs and obligations:

Various physical parameters to monitor, many fixed units in the same location, many units in various locations, ...



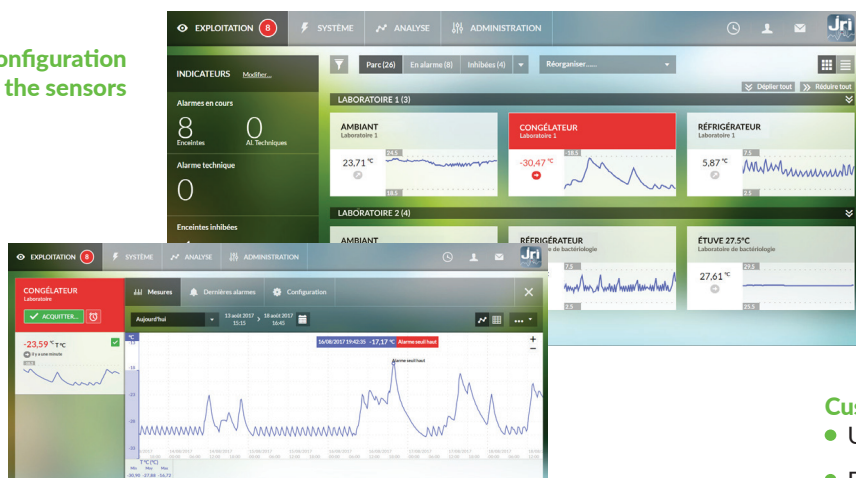
## A modular and customizable overview



Measurements are automatically upload on the secure Cloud JRI and data are managed via the userfriendly JRI MySirius web application.

**A wide range of alarm options and management**  
Multi-cascades, snooze, temporary inhibition  
...

**Simplified configuration of the sensors**



### Access to data 24/7

Visualize your data from any PC, tablet, smartphone and share it with your colleagues from anywhere

### Compliances

- HACCP Process
- GMP

### Customized interface

- Different indicators and favorites
- Optional modules adapted to different users' needs: maintenance, metrology, plan, geolocation...

**Data integration** in a third-party system via web API (Application Programming Interface)

### Customized user profile management

- Unlimited users number
- Different rights to assign per profile: Administrator, Site manager, Supervisor, User, Metrologist...

# Subscriptions

Three types of subscription are offered to manage the JRI MySirius solution

	INITIAL	SERENITY	ADVANCED
SERVICES			
FEATURES			

## Models

### Nano SPY



**Nano SPY T1**  
-40°C to +85°C  
Temperature sensor  
for freezer, refrigerator  
Ambient



**Nano SPY T2**  
-50°C to +105°C  
Temperature sensor  
with external probe  
for freezer or incubator



**Nano SPY T3**  
0°C to +260°C  
-200°C to 0°C  
Extreme temperature  
sensor with external  
probe



**Nano SPY TH**  
-30°C to +70°C  
0 - 100% RH  
Temperature &  
Humidity sensor  
Ambient



**LINK**  
Transmission  
module



**ALARM**  
Alarm & Relay  
module

### LoRa® SPY



**LoRa® SPY T0**  
-40°C to +85°C  
Temperature sensor  
Ambient



**LoRa® SPY T1**  
-30°C to +70°C  
Temperature and door  
openings sensor  
Ambient



**LoRa® SPY T2**  
-50°C to +105°C  
Temperature sensor with  
external probe for freezer,  
refrigerator and incubator



**LoRa® SPY Digital**  
-40°C to +80°C  
-30°C to +70°C / 0 - 100% RH  
-200°C to 0°C  
Temperature and humidity  
with external JRI digital probes



**LoRa® SPY TH1**  
-30°C to +70°C  
0 - 100% RH  
Temperature and  
humidity sensor  
Ambient



**LoRa® SPY T3**  
-200°C to 0°C  
Extreme low  
temperature sensor  
with external probe



**Gateway**  
Transmission of data  
to the JRI MySirius cloud  
External probe



**Gateway**  
Transmission of data  
to the JRI MySirius cloud

Flash the code  
and watch the  
JRI MySirius  
video



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Our partnerships



Association Française du Froid