Case study: "Cold-chain traceability"

Temperature tracking using wireless sensors

RFID identification and reading solution using active wireless technology to track temperature.

Increase reliability when transporting temperature-sensitive products

Using wireless temperature sensors, the system enables you to:

- **Measure** temperature stability
- **View** temperature graphs during transport
- **Record** data in the sensor
- **Update a log** or measurement points on the Web
- **Receive alerts** by SMS in case readings go outside specified limits in the delivery vehicle
- **Geolocalize** vehicle fleets

... and track temperature and vehicle position on the Internet
The NaoTemp solution, integration in the cold-chain sector, developed by:

NAOCOM, telemetry specialist designing and manufacturing Machine-to-Object (M2O) solutions to manage **temperature tracking and vehicle location**. The NaoTemp system is comprised of an embedded GPS/GPRS unit and an active RFID reader.

Leveraging patented RFID technology by ELA Innovation

ELA Innovation has developed a high-performance RFID temperature sensor:

- Integrated, waterproof temperature sensor
- High detection distance: over 50 meters
- Extremely small size
- Ultra-low power consumption (ULPW)
- Long battery life
- Very low level of electromagnetic emissions
- Respects standards: CE, IETS 300-220
- COFRAC NF12830

<table>
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<th>RFID tag</th>
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Clients who have chosen the NaoTemp solution

Developed by NAOCOM, integrating RFID products from ELA Innovation, the NaoTemp solution is used today by:

- Laboratoires CERBA, Bio Paris Ouest
- PROLOGISTICS, France Colis Express, Flash Biologistic, and more