

## CASE STUDY

# Wireless Sensor Hotspot for LuxairCARGO

### Innovation in the Cold Chain

LuxairCARGO is the air freight handling agent at Luxembourg airport, the seventh largest freight airport in Europe. In 2013 LuxairCARGO opened its state-of-the-art Pharma and Healthcare Centre to address the requirements from the pharmaceutical industry.

Berlinger & Co. AG former Antaris Solutions implemented an innovative **Wireless Sensor Hotspot** at this facility, which means not only LuxairCARGO, but also its customers can automatically collect and access information about temperature-controlled shipments and storage facilities.

### Issue

When LuxairCARGO developed the new Pharma & Healthcare Center in 2013, it required a real-time monitoring solution that would ensure full compliance with the new EU Good Distribution Practices (GDP) Guidelines.

At the same time, LuxairCARGO and its freight forwarding customers required a solution that could also be used by LuxairCARGO customers to automatically collect real-time temperature information from wireless sensors on pharmaceutical shipments.

These wireless sensors are increasingly used by forwarders to help ensure product integrity and enable pro-active intervention in case of temperature excursions.

### Solution

Berlinger & Co. AG former Antaris Solutions owns and operates a smartLine wireless network infrastructure in the Luxembourg Cargo Center. This network includes a number of data repeater to cover the entire facility, including the new Pharma & Healthcare Center. Wireless sensors are used by LuxairCARGO for real-time monitoring of storage facilities in accordance with GDP regulations.

Luxair customers, such as logistics service providers, can use the Wireless Sensor Hotspot to automatically collect data from wireless sensors on their shipments.

Data from the Wireless Sensor Hotspot is securely collected to the Berlinger former Antaris data servers, where this data is forwarded to the appropriate customer database.



### Customer perspective

*“For the Pharma & Healthcare Centre we looked for a state-of-the art solution that would create GDP compliance, but that would also enable our customers to automatically collect data from their wireless sensors. The unique Wireless Sensor Hotspot solution offered by Berlinger former Antaris enables not only LuxairCARGO, but also our customers, to collect and access real-time temperature data at any time.”*

**Patrick Silverio**

**Manager Special Services, LuxairCARGO**

### Benefits to LuxairCARGO



**Very low-cost Facility Monitoring Solution** for GDP (Good Distribution Practices) compliance.



**Ensuring product integrity and enable pro-active intervention** due to less resources spent analyzing exception situations and an integrated view.



**Strengthened customer relationship** which has led to increased customer loyalty and a growth in pharmaceutical cargo.

### Why berlinger smartview®?

berlinger smartview® has proven to deliver significant benefits to LuxairCARGO because of its:

- Ease of installation and operation.
- Real-time visibility for LuxairCARGO and its customers.
- Regulatory compliancy.