



[NFC-ENABLED TRANSPORT BOXES/BLULOG]

TITLE	Blulog's isothermal boxes provide hospital with 'smart' way to track and monitor drugs
COMPANY / ORGANIZATION	
KEYWORDS	Temperature, data logging, transport, drugs, NFC
INDUSTRY AREA(S) AFFECTED	Supply Chain Monitoring Pharmaceutical Drugs Hospitals
ISSUE ADDRESSED	Drugs and biological material require the utmost care during transport. Atmospheric factors such as temperature are crucial, as even a momentary or slight change can compromise the integrity of the substance being stored. Hospitals and other facilities that make use of the substances must also be able to easily confirm that the packages have been transported with care and that they remain safe to use.
SOLUTION	<p>Blulog, a Polish start-up, has provided 20 smart transport boxes to the Independent Clinical Public Hospital n°1 in Wroclaw, Poland. While the boxes are standard isothermal containers, they are also fitted with Blulog's NFC data loggers, allowing for the recording of temperature and localization data during the transport biological material or drugs.</p> <p>The collected data can be retrieved in three ways: using a dedicated NFC reader; using a smartphone equipped with active 4G and NFC-capabilities; or using Blulog's Bluconsole web application and/or via email, where the information is securely stored and encrypted.</p> <p>To identify temperature fluctuations without the use of a reader, the data logger within the box contains a diode that that glows red to indicate that verification of the transport's parameters is required.</p> 
EXPECTED BENEFITS	Improved safety in the transport of sensitive materials: Blulog's NFC-enabled transport provide a way to monitor and record temperature and localization data during the transport of sensitive materials. For instance, the Independent Clinical Public Hospital in Poland is using Blulog's technology to transport cytotoxic drugs, which are only effective if kept between 2°C and 8°C. Additionally, Blulog has made 'simplicity of use' a priority, ensuring easy yet secure access to recorded data, and straightforward indicators of compromise.
CASE LINK	<p>AIPIA, <i>Data Loggers for Hospital Drugs in Transit</i> http://www.aipia.info/news-Data-Loggers-for-Hospital-Drugs-in-Transit-650.php</p> <p>NFC World, <i>Sensitive drugs at Polish hospital kept safe using NFC temperature data tags</i> http://www.nfcworld.com/2016/11/02/348217/sensitive-drugs-polish-hospital-kept-safe-using-nfc-temperature-data-tags/</p>
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