

# SensoField Cloud

by Unified Cloud Sensors

THE CLOUD SERVICE  
FOR THE REMOTE  
MONITORING



## SensoField Cloud

SensoField Cloud is a cloud service intended for the monitoring and diagnostics in a wide range of industrial and agricultural applications. The communication is performed through the LPWAN technology and the standard NB-IoT. The connection to this cloud service is performed via the modules **SensoCom** and **SensoCom DIN**.

The service is split in the data collection part, data transmission and result representation. After the reception of the data in the cloud server, these are elaborated according to the requirements for their use. Different analysis and mathematical elaborations are performed on the data in order to preserve and enhance the valued information it has intrinsically embedded in them. The output of the service as a result representation is a graphical presentation on a dedicated dashboard which includes not only the real time performed measurements, but also the additional elaborated data. Also thresholds alarms can be sent to e-mails or as SMS to mobile phones.

## SensoField Cloud Ai

In the cloud server it is possible to apply artificial intelligence allowing to push further the predictive value of this service. Can be applied the basic AI or the Deep Learning if having sufficient data needed for the training, validation and testing of the neural network.



*Example of a dashboard with the real time representation of the measured values*

## USED TECHNOLOGIES

### LPWAN (Low Power Wide Area Network)

Wireless network technology for the data transfer of digitized data at very long distances with high reliability and low energy consumption.

### NB-IOT (Narrow Band Internet of Things)

Standard for the networks LPWAN used by the mobile network in the 4G and 5G networks.