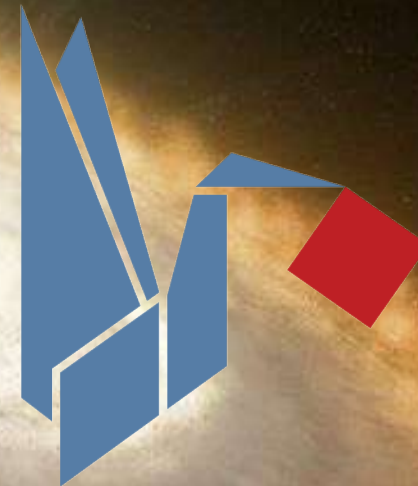


# DEEPWAVE

**tecnosoft**  
WE DELIVER DATA



*REAL TIME MONITORING SYSTEM*

*EASY, VALIDATABLE, SCALABLE*

**COMPLETE SOLUTION FOR THE MONITORING OF**

**TEMPERATURE**

**HUMIDITY**

**DIFFERENTIAL PRESSURE**

**LIGHT (ON/OFF)**

**IN REAL TIME WITH WIRELESS TRANSMISSION**

**21 CFR PART 11, ANNEX 11, GAMP COMPATIBLE**

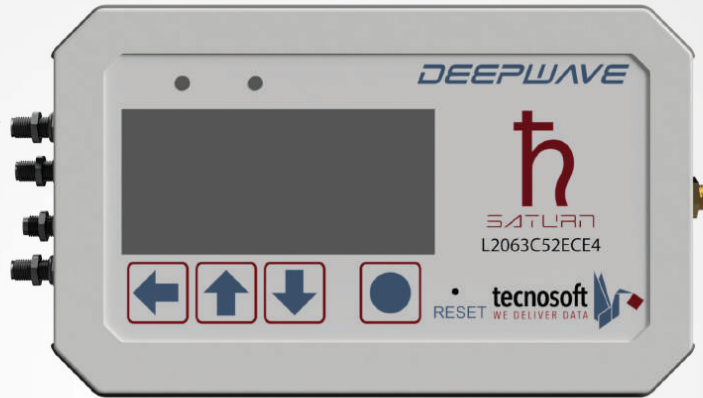
**BASED ON LORA (LONG RANGE) PROTOCOL**

# DEEPWAVE - THE SYSTEM

DeepWave LoRa Node

Smart Sensor

Direct Connection



Radio Communication



Alarms:  
- Email  
- SMS

Ethernet Connection

TSLog 21 (PC software)

Statistics

Status	Above Absolute Maximum		
RH	Above Absolute Maximum		
MKT	23,34		
Max T.	28,05	Max RH	80,14
Min T.	20,38	Min RH	28,95
Sensor	600003073		
Due Date	31/05/2020		
Profile	INVERNALE		
Abs. Max	22,00		
Max T.	22,00	Max RH.	60,00
Min T.	18,00	Min RH	0,00
Abs. Min	18,00	Act. En.	83

Non Conformities

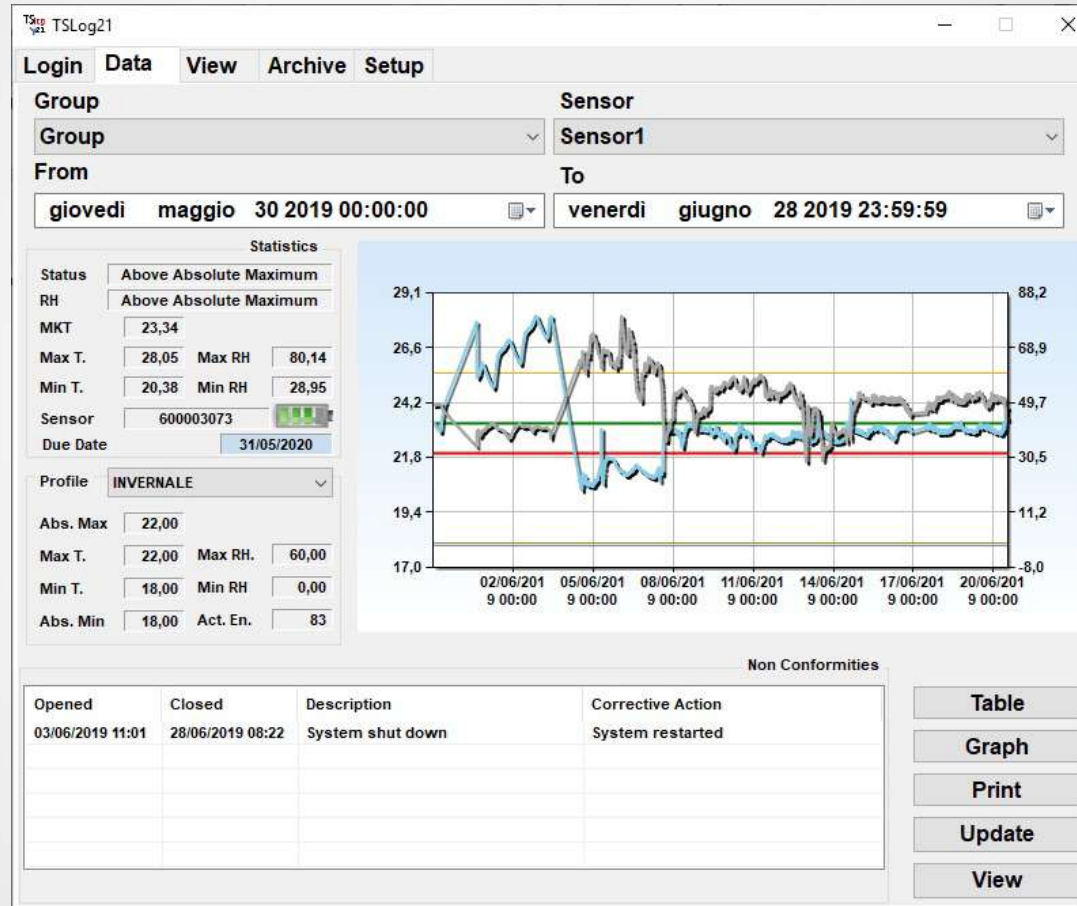
Opened	Closed	Description	Corrective Action
03/06/2019 11:01	28/06/2019 08:22	System shut down	System restarted

Buttons: Table, Graph, Print, Update, View

# THE SOFTWARE - TSLOG 21

## Features:

- Calibrated Sensors
- Easy and quick Recalibration
- Remote Alarms
- Turn-based alarms management
- MKT calculation
- Map positioning of the Sensors
- Report printing and Data Exported To Excel



Data show in table and graph

Compatible with:

- 21 CFR Part 11
- Annex 11
- GAMP 5

Validatable:

- Data in DB
- Non Editable Data
- Multi-User and Multi-Level

- Acces Management With Password

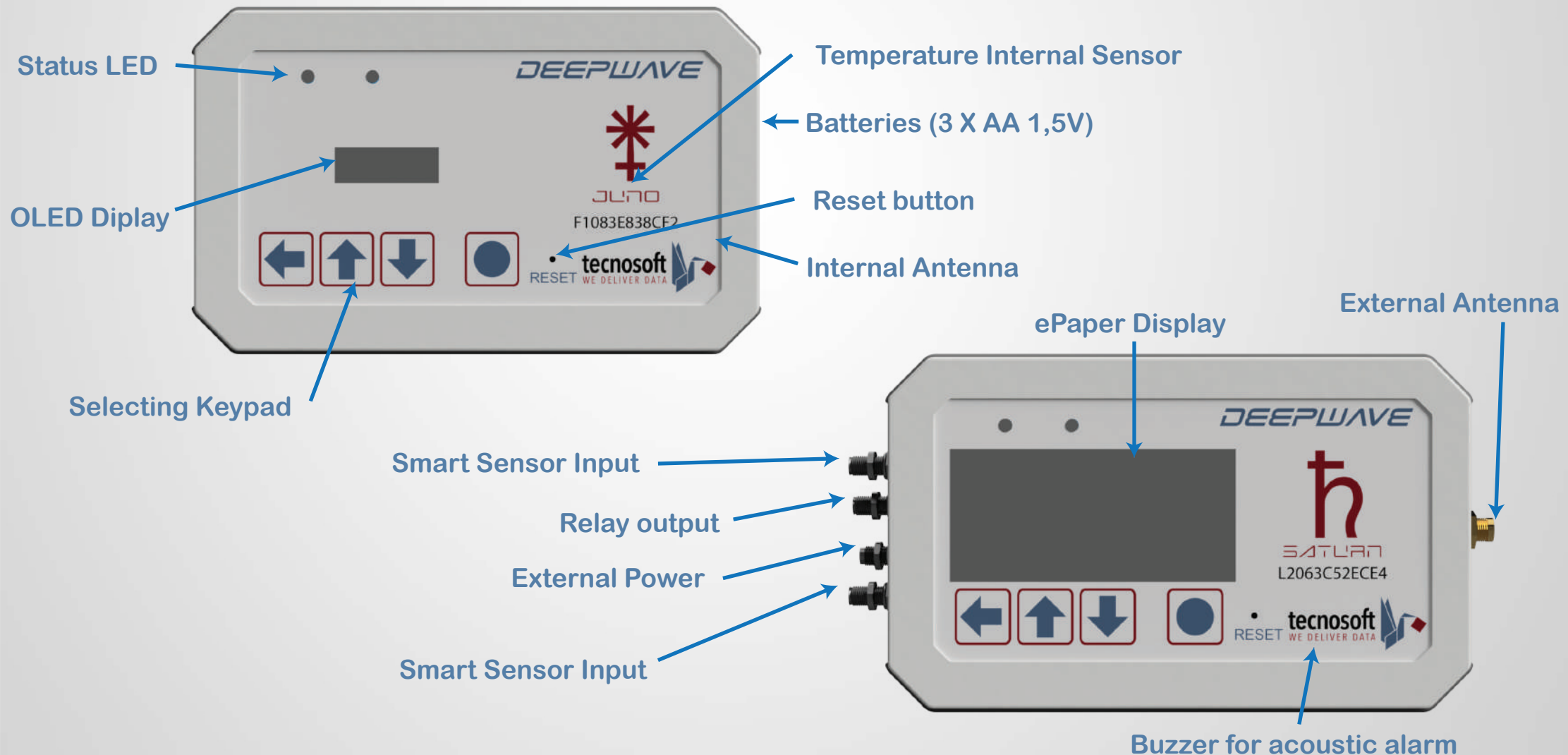
- Audit trail



# THE SENSORS - THE LORA NODES

12 DIFFERENT MODELS OF TRANSMITTERS WITH DIFFERENT OPTIONS

## FEATURES:





# SMART SENSOR

WIDE RANGE OF CALIBRATED SENSORS AVAILABLE



Different models of temperature sensors  
from  $-80^{\circ}\text{C}$  and up to  $200^{\circ}\text{C}$  also



Temperatura and humidity sensor



Differential pressure sensor



Light sensor

# SMART SENSOR

## SECURE, EASY AND FAST RECALIBRATION



TSLog 21 software alerts you when the calibration expiration day is approaching

Order the recalibration service: you will receive new calibrated Smart Sensors

Disconnect the expiring or expired sensor

Connect your newly calibrated sensor and go on with the monitoring



NO OTHER CONFIGURATION REQUIRED



# HELIOS - LORA GATEWAY

Data received via Radio  
from the DeepWave Nodes

Remote Alarms:  
- Email  
- SMS  
(Internet connection required)

Memory for  
internal Database with  
all system data

Ethernet Connection  
for communication with  
the local PCs through the  
TSLog 21 software

External power  
(adapter included)

WiFi Connection  
available



# *DEEPWAVE*

*A MONITORING SOLUTION FROM*



*TECNOSOFT.EU*

*TECNOSOFT@TECNOSOFT.EU*