

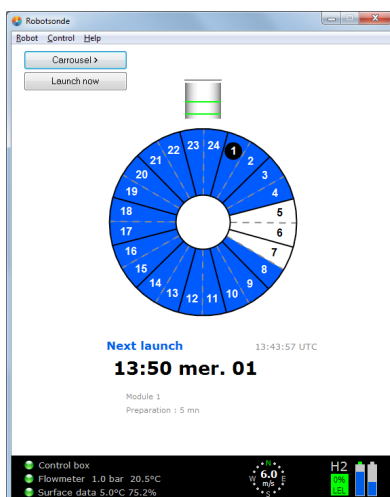
The **Robotsonde** is an automatic balloon launcher system that can perform **12** or **24** soundings scheduled or immediate.

Compatible with **M10** and **M20** radiosonde.

- Remote controllable and accessible
- Make the operator's tasks easier
- Reduce the possibility of human error and wrong handling during preparation/launch phase
- Increases the percentage of successful soundings and the availability of data on the network
- Improves the safety of people especially when hydrogen is used to inflate the balloon
- Facilitate staff management during out of normal working hours (night or week-end) and/or remote location)



Robotsonde is built in a **robust 20' dry maritime** container and composed of the following subsystems :



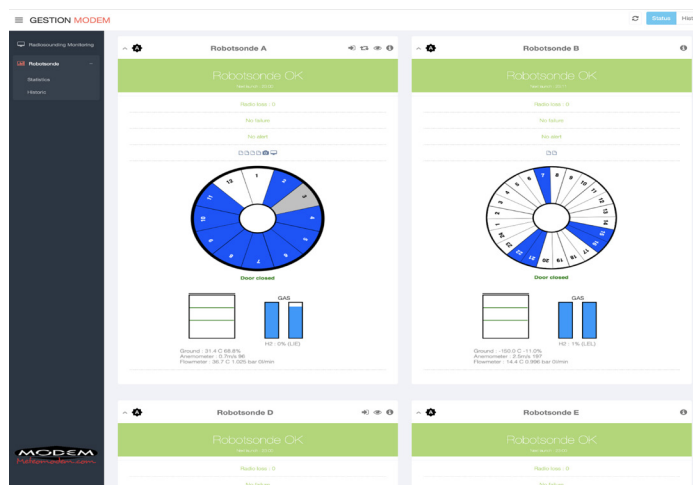
- **Double-door entrance** (optional) to protect from strong winds rains, drifting snow or sandstorm
- **Operator room** with Electronic control unit and PC workstation...
- **Carrousel** with **12** or **24** individuals removable containers for balloon trains
- **Launch tube** for balloon inflation and release

Steps release automatic

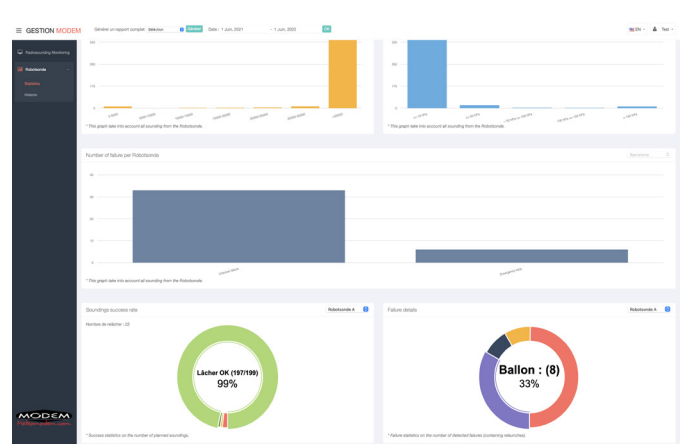
- System checking
- Wake up and verification of the sonde (sensor calibration, frequency, GPS)
- Inflation process
- Automatic release of the radiosonde

Modem server enables you to:

- Access a specific **Robotsonde** system and to configure the monitoring (email alerts and recipients)
- Monitor multiple **Robotsonde** simultaneously and remotely
- Get real-time information, and download available surveys
- Access the general state of the system in order to monitor possible on going issues or potential blocking failures from a maintenance point of view
- Complete data acquisition and storage
- Access the camera, taking pictures
- Take screenshots of the local system computer
- To check and download the soundings files available



REMOTE SUPERVISION



STATISTICS

GENERAL INFORMATION	
Dimensions	Width : 2.44 m Length : 6.00 m
Launch Tube Diamete	2.00 m
Height during transport	3.10 m
Total height with launcher tube	3.60 m
Gross weight with launcher tube	4.8 T
Electrical consumption	< 1 kW (without air conditioning)