

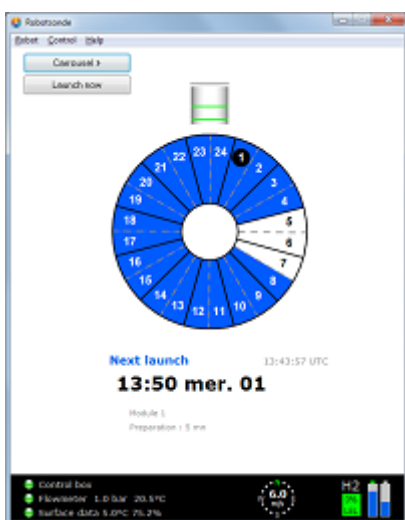
The **Robotsonde** is an automatic balloon launcher system that can perform 12 or 24 soundings scheduled or immediate.

Compatible with **M10** et **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.
- Increase the percentage of successful soundings and the availability of data on the network.
- Improve 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 :



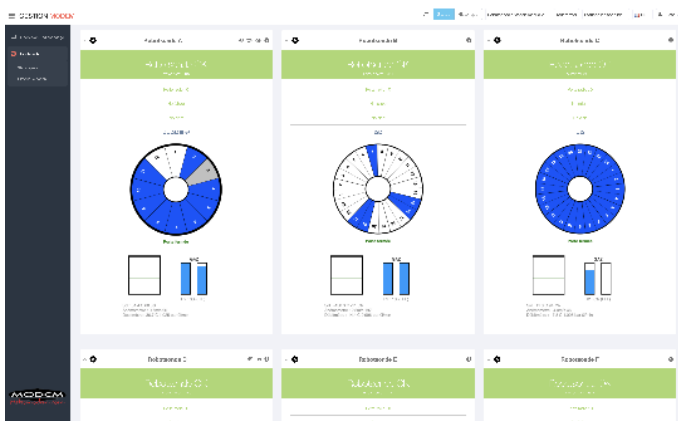
- **Double-door entrance (optional)** to protect from strong winds rains, drifting snow or sandstorm.
- **Operator room** with electronic control unit and computer workstation ...
- **Carousel** with 12 or 24 individuals removable containers for balloon trains.
- **Launch tube** for balloon inflation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

Steps automatic release :

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

Meteomodem softwares enable to :

- Access a specific **Robotsonde** system and to configure the monitoring (emails alerts and recipients).
- Monitor multiple **Robotsonde** simultaneous 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.
- Check and download the soundings files available.



REMOTE SUPERVISION



STATISTICS

| GENERAL INFORMATION | |
|--------------------------------------|-----------------------------------|
| Dimensions | Width : 2.44 m Lenght : 6.00 m |
| Launch tube diameter | 2.00 m |
| Height during transport | 3.10 m |
| Total height with launch tube | 3.60 m |
| Gross weight with launch tube | 4.8 T |
| Electrical consumption | < 1 kW (without air conditioning) |