

# esa Dinghy

## On board data monitoring system

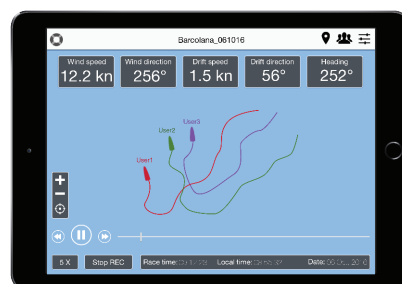
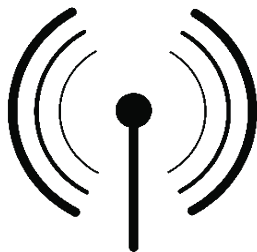


A revolutionary system ideal for monitoring performances on small boats. A dedicated communication network to control the status of the fleet in real time, with live data from the boat, anywhere on and off the water



### UNIQUE SAFETY FEATURES

- Automatic capsize alarms
- Real time boat's positioning accessible to anyone in your group
- Ideal for fleet monitoring



### PERFORMANCE CONTROL

- Real time regatta data
- Data available through mobile network
- Compare data between boats at any time everywhere
- Easy access to recorded session



esa Dinghy is a new platform designed by Astra to be the best and most versatile system to be mounted on small boats for monitoring data on performances during sailing and to check remotely status of the boats with integrated safety features and the communication platform inside. It consists of a dedicated hardware, a unit box, a dedicated server online software and a local app to be installed on mobile devices.

With esa Dinghy it will be possible to check the status of the boat in real time, or to compare multiple vessel at the same moment.

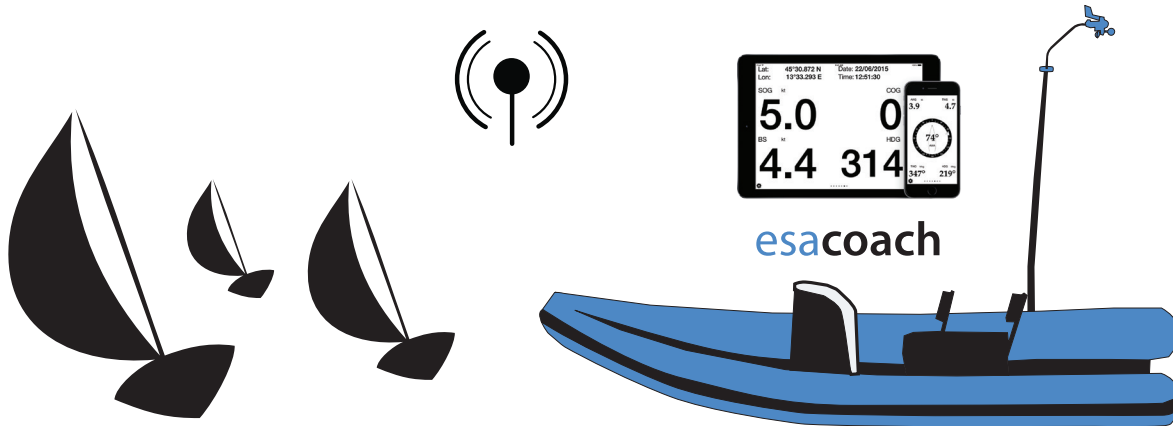
Every system can share the data between selected user, building groups of training or regatta's fleet, and data can be seen immediately on mobile devices.

Build performance data through communication with esa Coach system, to get wind and current data recorded on field to create a unique VIRTUAL INSTRUMENTATION

# esa Dinghy

## On board data monitoring system

Esa Dinghy with esa Coach can create a unique **virtual instrumentation system**: merging the data coming from the weather station on the coach boat, and the position, speed and asset from the desired vessel, is possible to have a complete instruments set of data like in the bigger boats. Compare performance in real time and between different set-up of the boats. A powerful and innovative system for improve performances during training with technical high level information.



virtual instrumentation

### FEATURES Unit Box

- Accelerometer gyrometer and magnetometer platform
- High frequency and precision internal GPS
- GPRS module for internet, sms, email connection
- Bluetooth module for local communication
- Protection level IP 68.
- Inductive Recharge system, Li-on battery high durability
- CE certification
- Automatic capsizing alarm system. Alerts via sms, mail with last available position and automatic "all-clear" alerts in case of recovery

### Software:

- Configuration via Bluetooth, free Android Apps for file log registration management and unit box communication set up
- Server access via web browser for all sessions and data management
- Regatta's field informations: buoy positioning, weather conditions (wind and current) share with all actors: coaches, regatta committee, yachts clubs, organizers.
- Rent fleet control. Check position of the boats and the recorded data of every rent



ASTRA Yacht



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