

# the anemomind solution



## Track

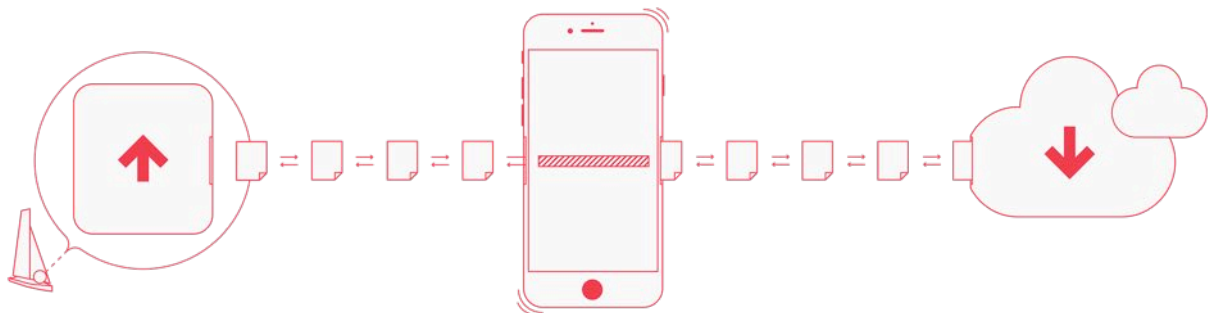
your performance during and after sailing. Get your boat performance and true wind information in real time, without calibration issues.

## Improve

your trimmings and maneuvers thanks to metrics computed specifically for your boat. The Anemomind solution is easy to use and lets you relive your regatta through detailed data.

## Share

your track and your analysis with your team or your community. Experience your sailing again and watch your geolocalized notes and pictures.



# The Anemomind solution

## 1. The Anemobox

The Anemobox records all navigation data and computes the true wind and the boat performance in real time.

Connected to a NMEA system or to a wireless wind sensor, the Anemobox features: a GPS, 3 accelerometers, 3 gyroscopes, and 3 magnetometers. It is compatible NMEA 0183 and 2000. It offers wifi and Bluetooth LE connectivity.

The Anemobox stores computed speed tables in order to measure your performance in real time.

## 2. The mobile application

Anemomind Connect is the iOS app that synchronizes data recorded by the Anemobox.

You can then see your boat performance percentage in real time and document your sailing.

## 3. The web platform

The web platform lets you visualize and share your navigation sessions.

It shows: the sailing history on maps, notes and pictures, and all your navigation data recorded by the Anemobox. Everything is synchronized and easily accessible.

# How it works

## Onboard

Whether connected to NMEA instruments or to a wireless wind sensor, the Anemobox records all your sailing data.

After each sailing session, recorded data is transferred to the online platform through the mobile app and enriches your boat knowledge. Behind the scenes, powerful algorithms analyze your sailing history. They detect measurement errors from your wind sensor or speedo and determine corrections, thus making it possible to evaluate true wind and target speeds for your boat.



Maneuvers are automatically detected, analyzed and evaluated according to relevant performance grades, such as the number of windward meters lost.

### Onboard, Anemomind enables you to:

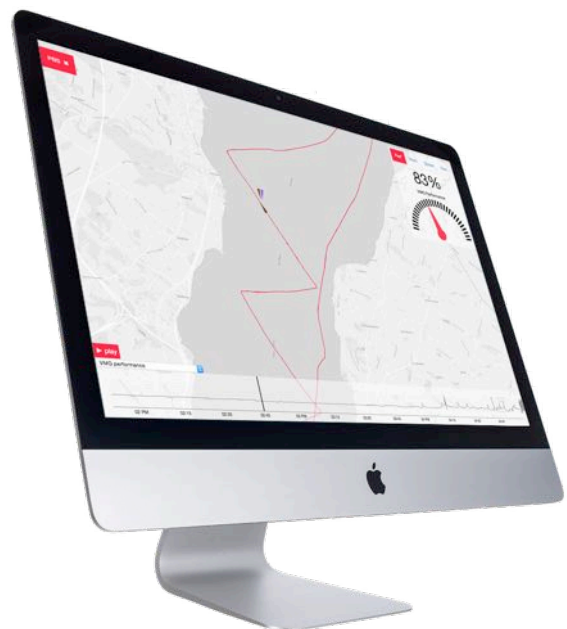
- Know your progression margin with respect to a realistic and relevant speed target. This information indicates if you have to adjust sail trimmings or correct your heading.
- Quantify your maneuver efficiency and identify the best ones. Visualize the keys to success, such as the rate of turn during tacks. With this “ideal template”, you will know what to watch or correct.

- Take notes and pictures, for example of sail trimmings, and visualize them with corresponding onboard instrument values.
- Get suggestions about your course over speed tradeoff or your best tacking course.

## Onshore

After transferring your sailing data, experience your navigation and your maneuvers again, watch pictures, and analyze performance during key moments selected by Anemomind or by yourself. Zoom on your course over speed tradeoff and on your tactical choices.

Anemomind is a true debriefing performance analysis tool enabling you to make quick progress.



By connecting the platform with your social network accounts, you will be able to share your sailing sessions with your team, friends, competitors, or community.

# Features

- True wind speed and direction estimation
- Maximum wind and boat speed
- Heeling indicator
- VMG performance percentage display
- Manual sail choice input
- Take notes and pictures from smartphone or tablet
- Record all navigation data
- Export data to CSV format
- Maneuver rating (tack and jibe) \*
- Course over speed tradeoff suggestions \*
- GoPro video synchronization \*
- Android compatibility \*
- Third party instrument calibration (parameters and correction tables) \*

\* Planned for 2016

# Installation

To install the Anemobox on your boat, there are two options:

## **Your boat is already equipped with a wind sensor and NMEA output:**

Plug your NMEA 0183 or 2000 output to the Anemobox, connect the power plug (0183 only). You can now take full advantage of your onboard electronics!

## **You do not have a wind sensor:**

Install a Bluetooth wind sensor. It will connect directly to the Anemobox. Power the Anemobox with either your 12V battery or with an independent battery (charging over USB). In that case, the Anemobox becomes your boat's central processor.

# References

The Anemomind solution is already used by racers on D35 (Alinghi, Mobimo), on C-Class (Norgador), and on racing monohulls such as 8mR, 6mR, Psaros 33 and 40, Luthi, and Toucan.

# Origin

Anemomind is a company founded by four former researchers of EPFL, Switzerland. Their approach is unique and patent pending.

Combining their passions for sailing and for computing, they invented the Anemomind products to meet their needs and the ones of many sailors.

# Contact

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