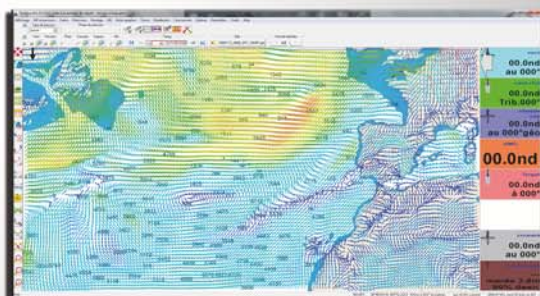
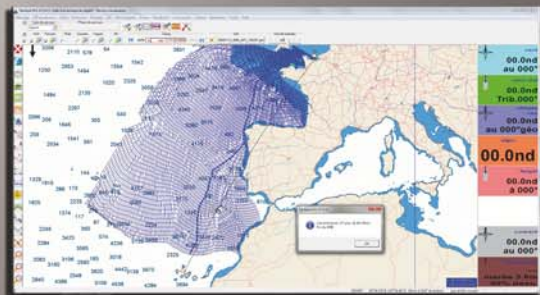


The Routing module calculates the best course for inshore and ocean races. It provides navigators with a useful racing and course optimisation tool.

Leg	Start	End	Time	Distance	Wind	Current	Polars	Other
1	00.0nd	au 000°						
2	00.0nd	TriB.000°						
3	00.0nd	au 000°g80						
4	00.0nd	& 000°						
5	00.0nd	au 000°						

Reading and displaying GRIBs

The Routing module displays the wind, current, pressure and precipitation GRIB on the charts; GRIBs can be downloaded from most sources of weather data, particularly using the GRIB.US application. The software has a direct interface for this.

Calculating a route plan

The course is calculated from the parameters chosen: start, destination, calculation parameters, polars, wind, current and dangers to avoid. Several successive course calculations can be obtained by setting certain parameters, then displayed for comparison. In addition one or more courses can be simulated and the different sections analysed.

The extras in the Routing module

- The calculation algorithm includes the current and makes a correction for the background wind
- Adrena route planning calculates the optimum course automatically avoiding the coast.
- It can calculate a route plan from an inshore course: in this case, the program automatically generates the markers to leave or to round and the gates to pass through.
- It is best to set the wind force to obtain a route plan calculated on variations in current.
- Adrena provides a customisable table of legs using the predicted sailing conditions and the recommended sail configuration (Sailect® function).
- The courses calculated show the wind conditions encountered throughout of course (post-it and symbols).

New for 2010 !

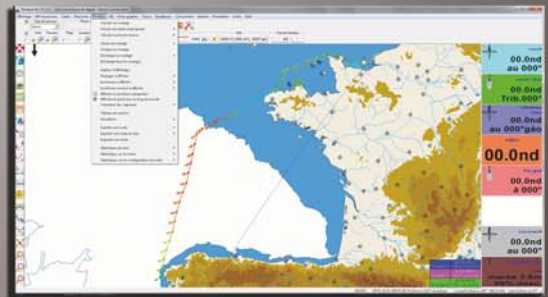
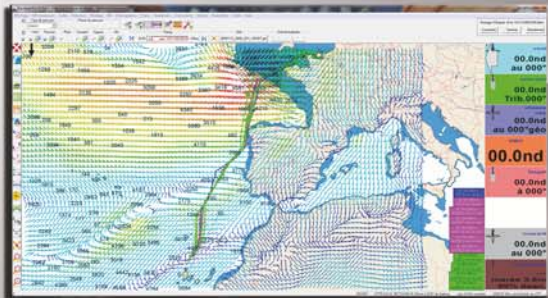
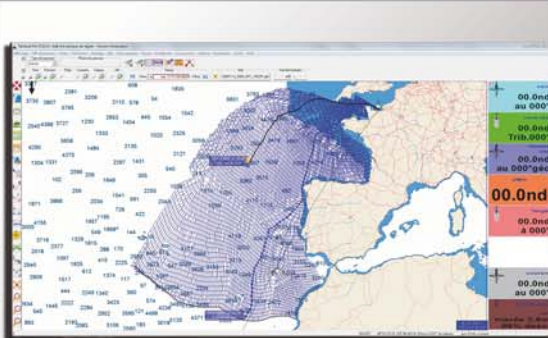
2 click route planning : One click for the start, one for the finish... Leave Adrena to prepare the route plan !

" We started several route plans and rapidly got a precise idea of the course to follow as it is so effective and easy to use. Adrena was again at the centre of conversation during the 2009 BPE Trophy debriefing in Port-La-Forêt ! "
Thierry CHABAGNY, skipper of Figaro Suzuki Automobiles

The RoutingPro module has been specially developed for ocean racing.

It has more features than the Routing module and provides the specialist with a complete high performance course study tool.

It is powerful, with exclusive functions, and is unequalled on the market for working on routing strategy.



GRIBs

The RoutingPro module can display more information on the chart such as wave and high altitude wind GRIBs.

Several simultaneous GRIBs can be displayed and used in calculations on a single route plan.

Communication with the shore

This module makes the exchange of information with the team ashore easy :

- It exports to the shore data from the boat's instruments. Thus a router knows exactly what the boat's sailing conditions are and can compare them with the GRIBs to modify the course.

- It can send a route plan to the boat.

The extra points of the RoutingPro module

- Pivots can be placed on the isochrones of a previous route plan to force a passage zone or refine a course.

- The course can be coloured according to previously set criteria: speed, current, waves, wind etc.

New for 2010 !

Adjustment of GRIBs: With this module a GRIB supplied, but not verified, can be adjusted in real time.

Route planning profiles: By scanning different variables such as the wind, current or polar %, several successive route plans appear, so that one can see whether this parameter has much influence on the route plan that was initially chosen. It is particularly useful for deciding on the start time for a record or a cruise.

Reverse isochrones: This feature gives a good visual indication for confirming a choice of tactics as it rapidly shows whether the choice deviates or not from the course, depending on the convergence or divergence of the isochrones. Reverse parallel isochrones indicate that the heading can be changed without influencing the time taken for the course. Given the position of competitors and the reverse isochrone function, you can also see your position relative to the others.

*"I was perfectly placed in the route plan given by the software and that is always an advantage."
Gildas MORVAN, skipper of the Figaro Cercle Vert, winner of the 2009 BPE Trophy*