SMARTERTRACK *EXPRESS* PACK

PC Navigation with DualNav Positioning Technology

Easy to use PC based navigation software with Navionic's compatibility.

Optimised for AIS target tracking and viewing

TEL 01179 554474 (US 978 277 1234)
www.digitalyachtamerica.com

Available Now £275 ex VAT (US$440/€395)

SmarterTrack *Express*

SmarterTrack Express is a simple solution to turn your Windows notebook or Windows 8.1 tablet into a powerful electronic charting system.

The high performance GPS150 DualNav sensor connects via a self powered USB connection which makes the package ideal for portable navigation and great for use by charter skippers. 10Hz super fast and super accurate sub 1m positioning is available for the very best in plotter redraws.

Detailed world wide charting is available thanks to Navionic's compatibility and charts can be saved onto the PC hard drive and then utilised in dedicated plotters too

Note laptop not supplied. Compatible with Windows XP, Vista, 7/8/8.1

SmarterTrack – Key Features

DIGITAL YACHT

- Real time PC based navigation
- Supplied with DualNav plug ‘n play GPS-GLONASS sensor
- GPS & Instrument interface
- Autopilot output
- Optimised for AIS overlays
- Portable (or can be installed)
- Compatible with Navionics charting
- Easy interface, powerful functions
- Touch screen or trackpad/mouse control
- Full tidal route planning/optimisation

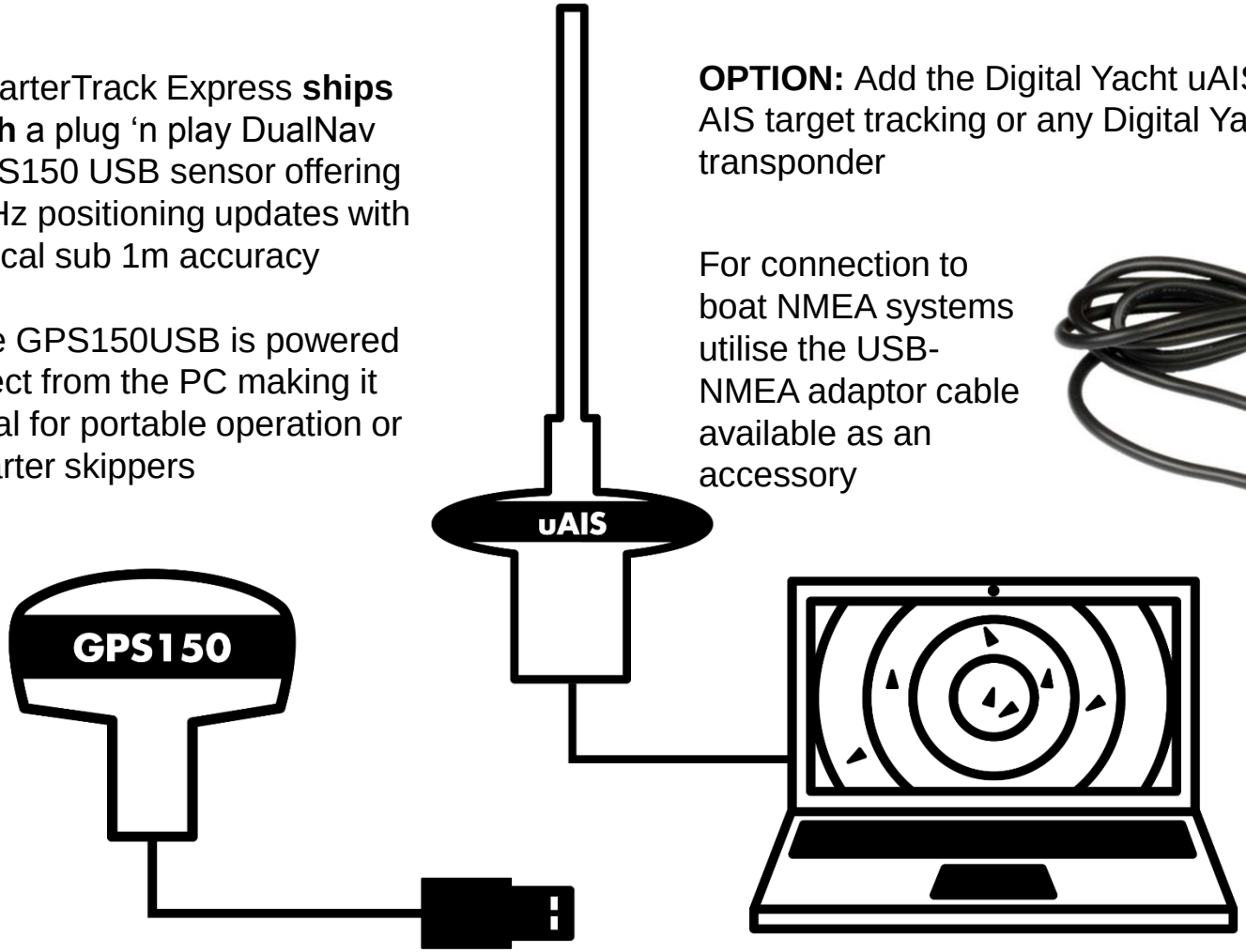
System Approach

SmarterTrack Express **ships with** a plug ‘n play DualNav GPS150 USB sensor offering 10Hz positioning updates with typical sub 1m accuracy

The GPS150USB is powered direct from the PC making it ideal for portable operation or charter skippers

OPTION: Add the Digital Yacht uAIS AIS receiver for AIS target tracking or any Digital Yacht AIS transponder

For connection to boat NMEA systems utilise the USB-NMEA adaptor cable available as an accessory



Hi performance DualNav GPS150 USB sensor included in SmarterTrack Express system

SMARTERTRACK

Basic Charting Displays

Navionics Charting

- Global coverage with highly detailed charts
- SmarterTrack can read Navionic's charting data (GOLD & PLATINUM)
- Copy your Navionic's chart to the PC hard drive and then continue to use the card in a compatible plotter – saves on doubling up charting costs for plotter/PC based systems
- Great value, easy updates and the best coverage plus the same look and feel as plotter based charts on your PC

Chart Display

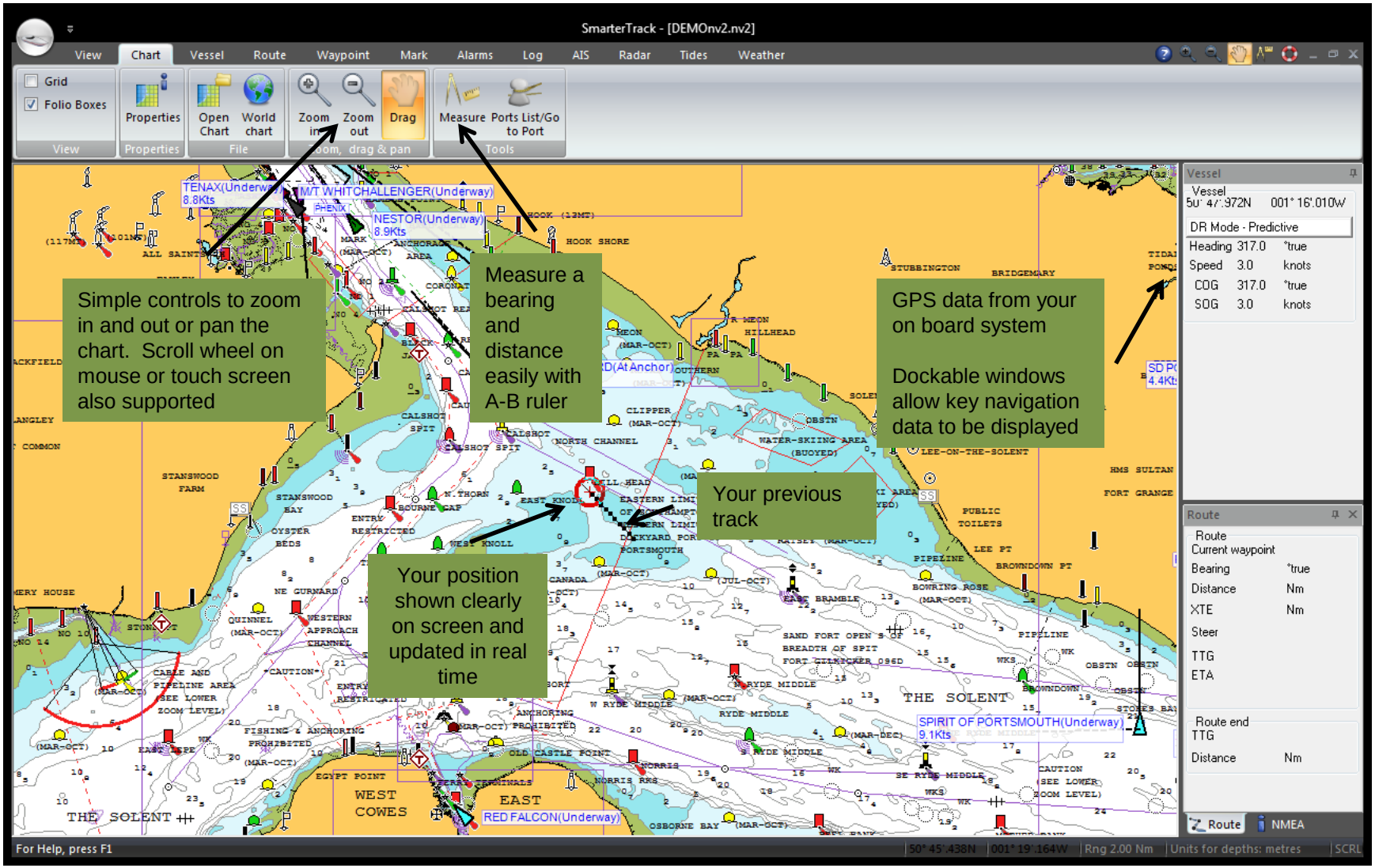
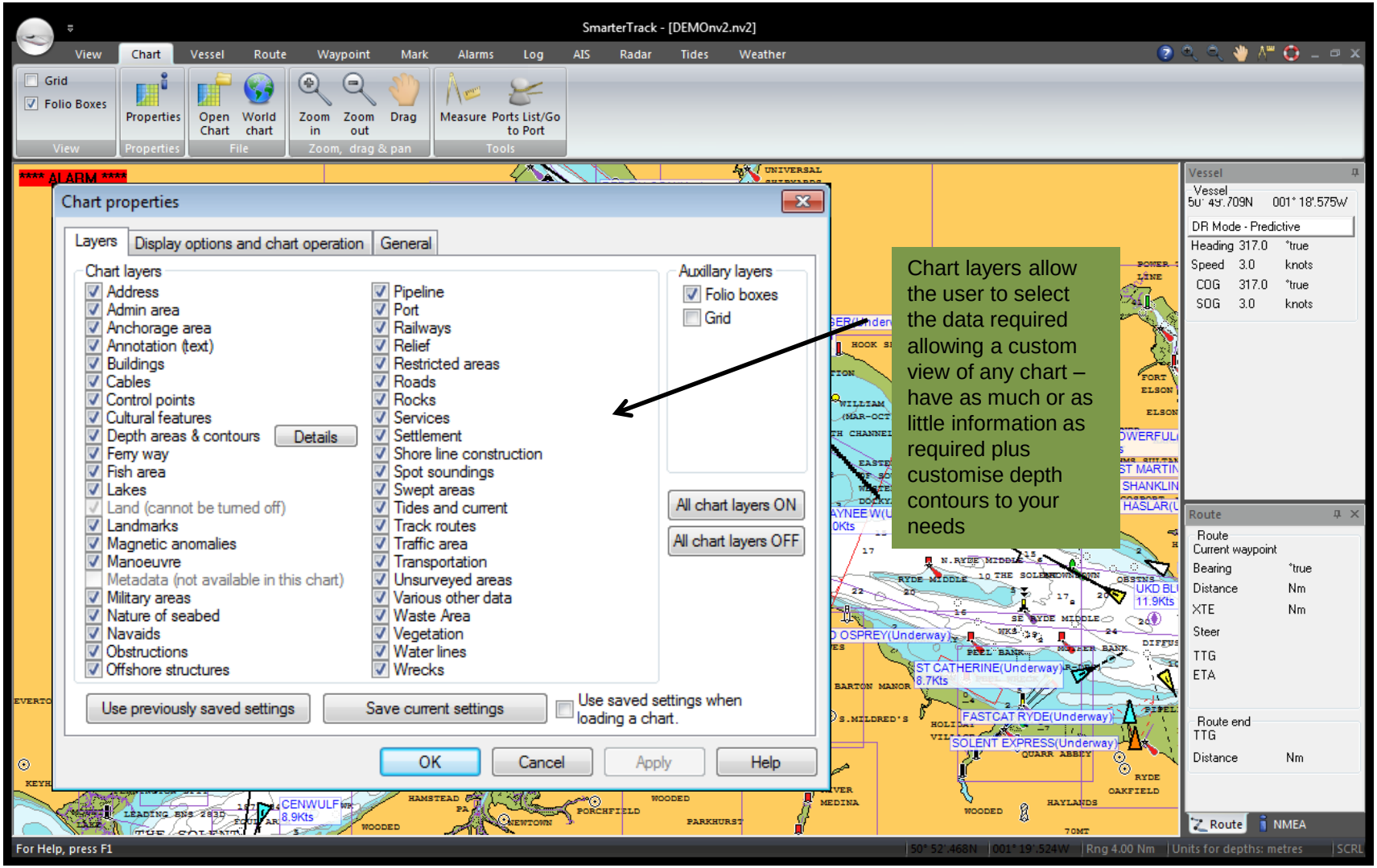
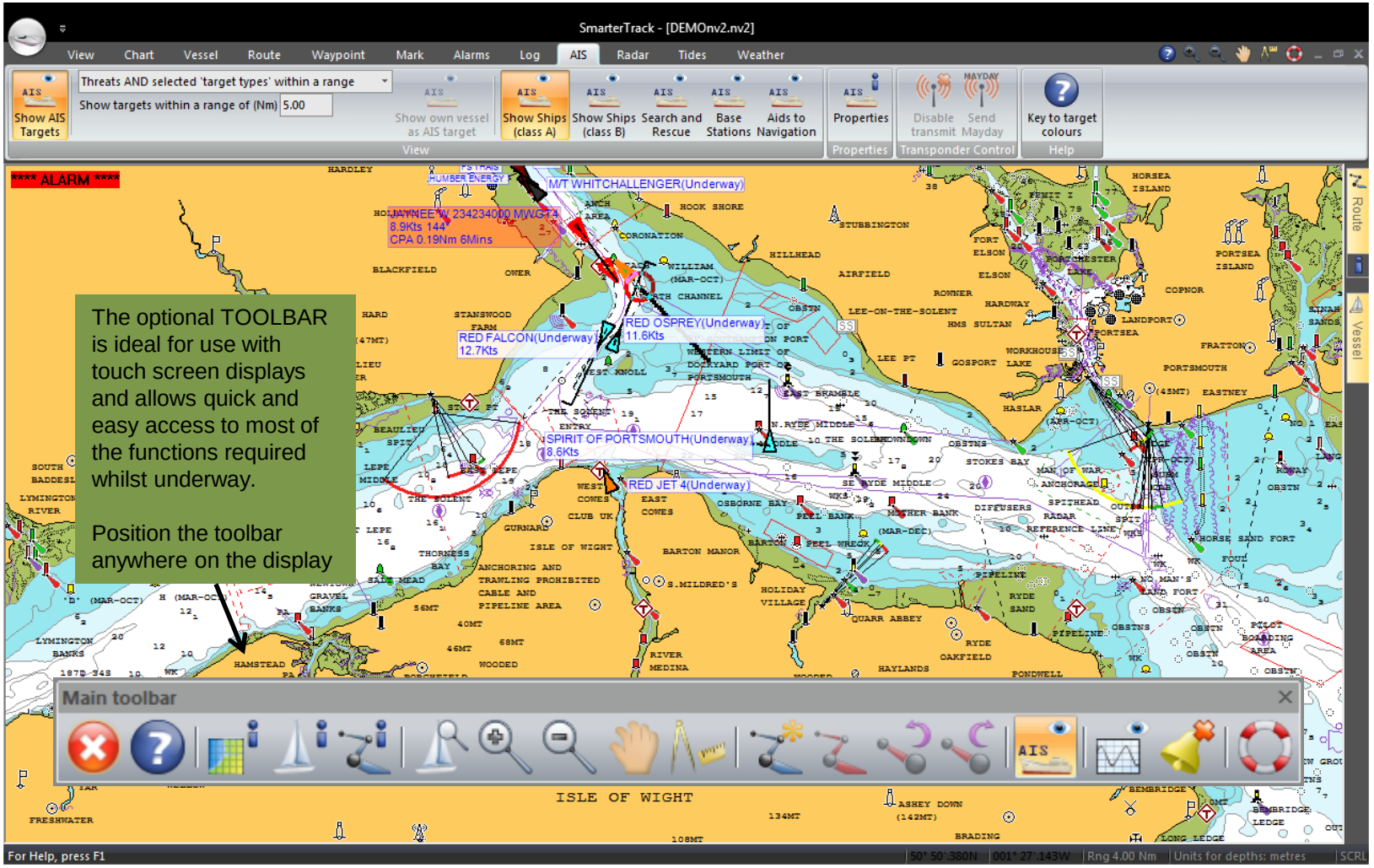


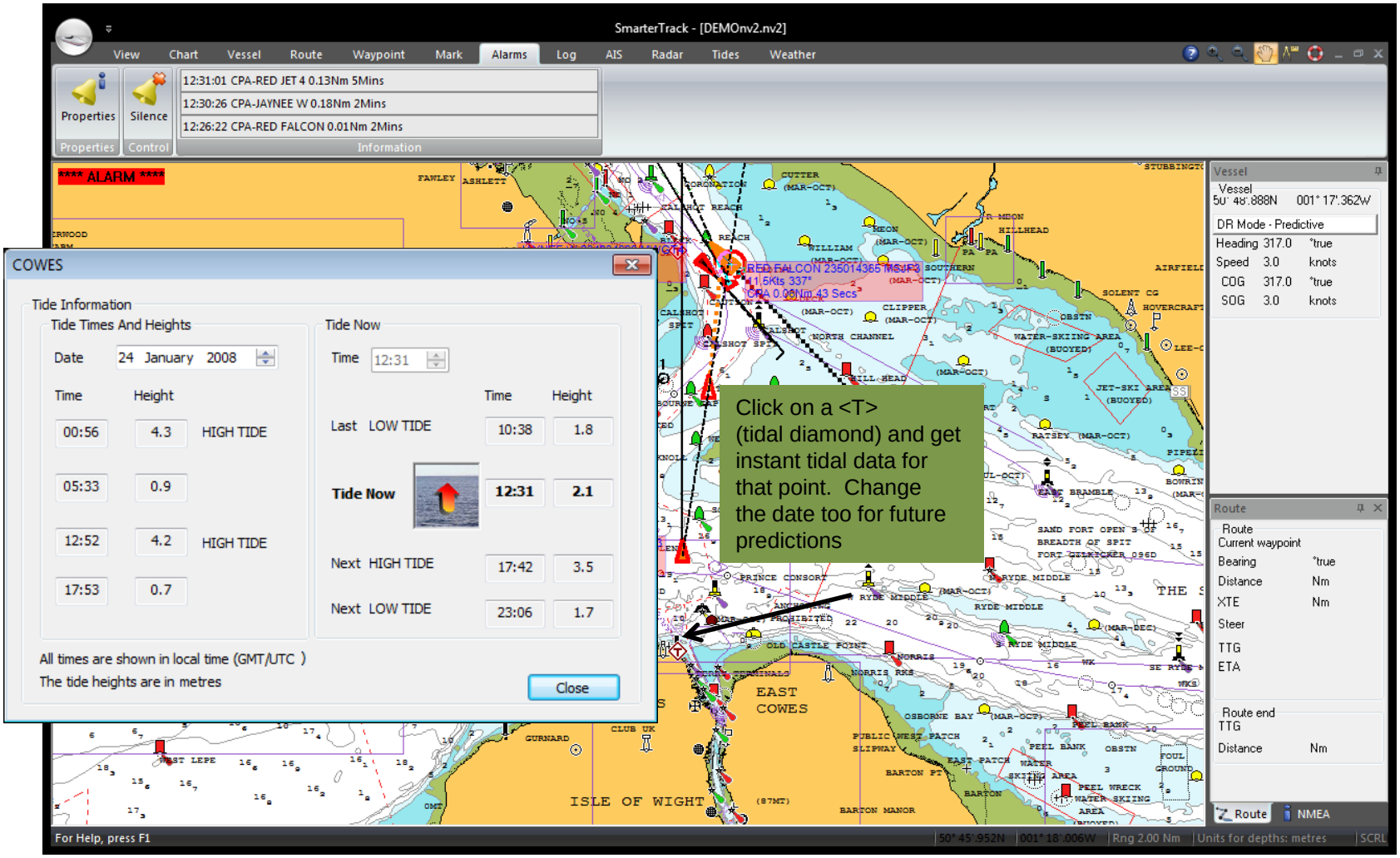
Chart Layers



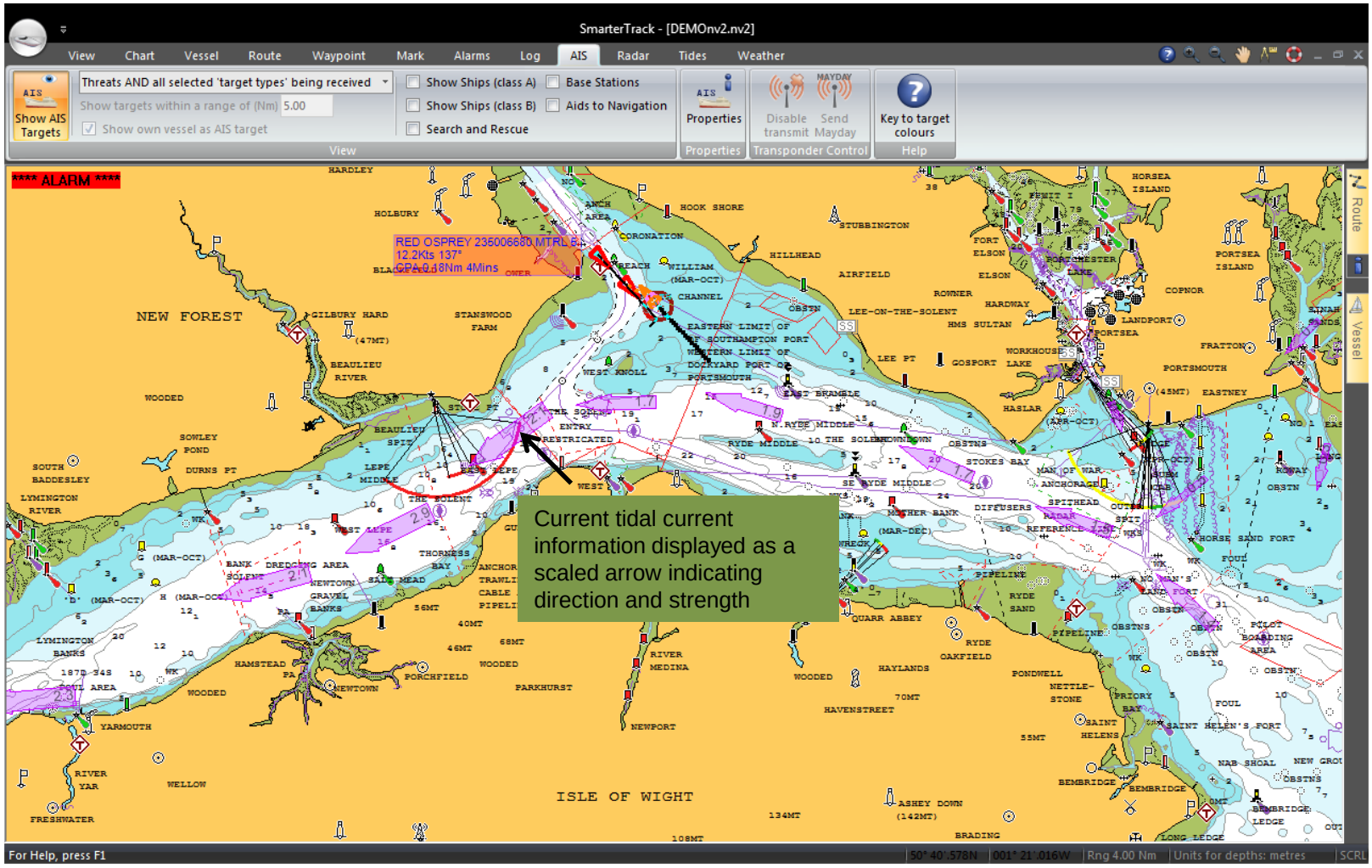
Optional Touch Toolbar



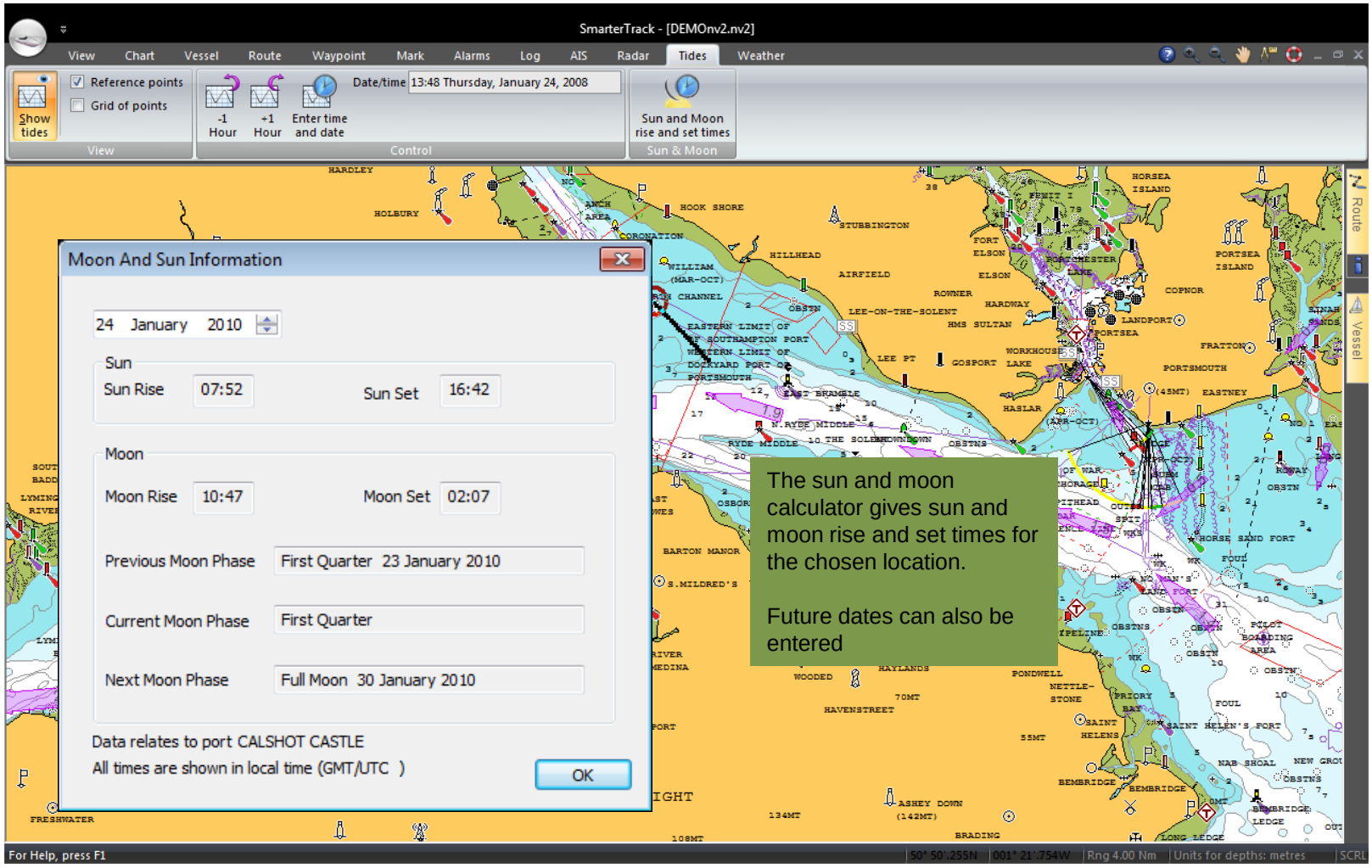
Tidal Data


SmarterTrack - [DEMOnv2.nv2]
View
Chart
Vessel
Route
Waypoint
Mark
Alarms
Log
AIS
Radar
Tides
Weather
Properties
Silence
12:31:01 CPA-RED JET 4 0.13Nm 5Mins
12:30:26 CPA-JAYNEE W 0.18Nm 2Mins
12:26:22 CPA-RED FALCON 0.01Nm 2Mins
Information
**** ALARM ****
COWES
Tide Information
Tide Times And Heights
Date 24 January 2008
Time Height
00:56 4.3 HIGH TIDE
05:33 0.9
12:52 4.2 HIGH TIDE
17:53 0.7
Tide Now
Time 12:31
Time Height
Last LOW TIDE 10:38 1.8
Tide Now 12:31 2.1
Next HIGH TIDE 17:42 3.5
Next LOW TIDE 23:06 1.7
All times are shown in local time (GMT/UTC)
The tide heights are in metres
Close
Click on a <T> (tidal diamond) and get instant tidal data for that point. Change the date too for future predictions
Vessel
Vessel
50° 48'.888N 001° 17'.362W
DR Mode - Predictive
Heading 317.0 °true
Speed 3.0 knots
COG 317.0 °true
SOG 3.0 knots
Route
Route
Current waypoint
Bearing °true
Distance Nm
XTE Nm
Steer
TTG
ETA
Route end
TTG
Distance Nm
Route
NMEA
EAST COWES
ISLE OF WIGHT
For Help, press F1
50° 45'.952N
001° 18'.006W
Rng 2.00 Nm
Units for depths: metres
SCRL

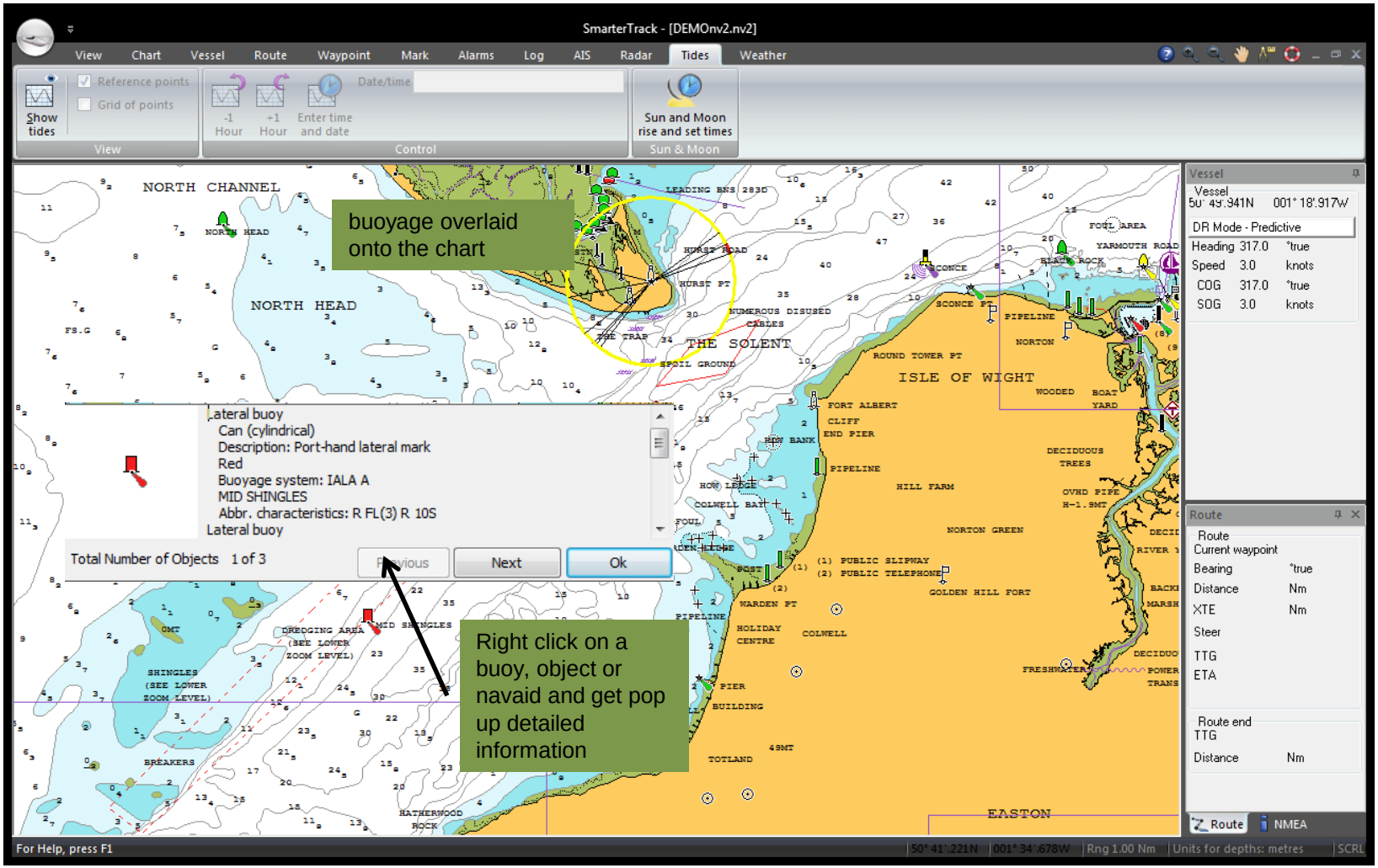
Tidal Currents



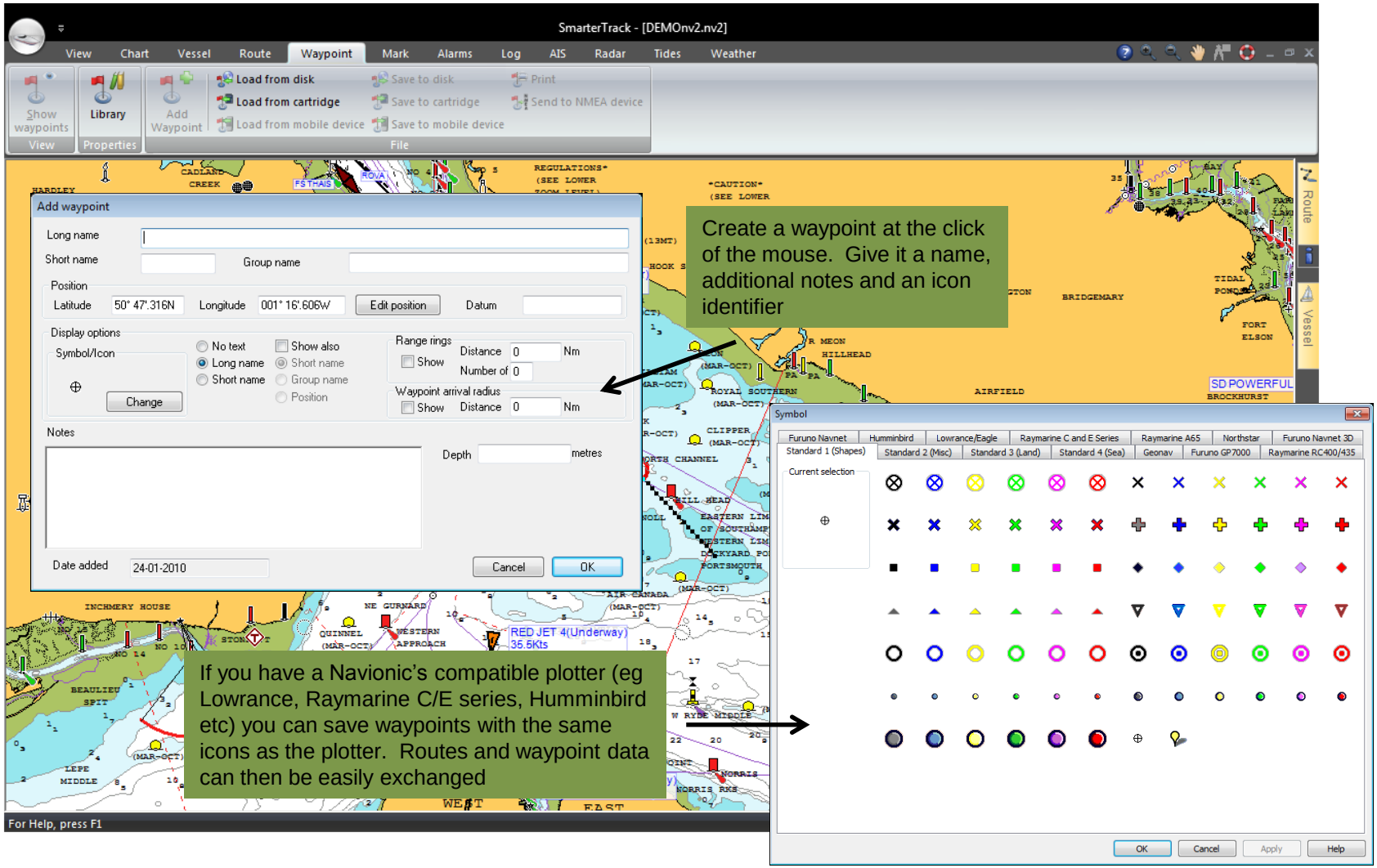
Sun & Moon Calculations



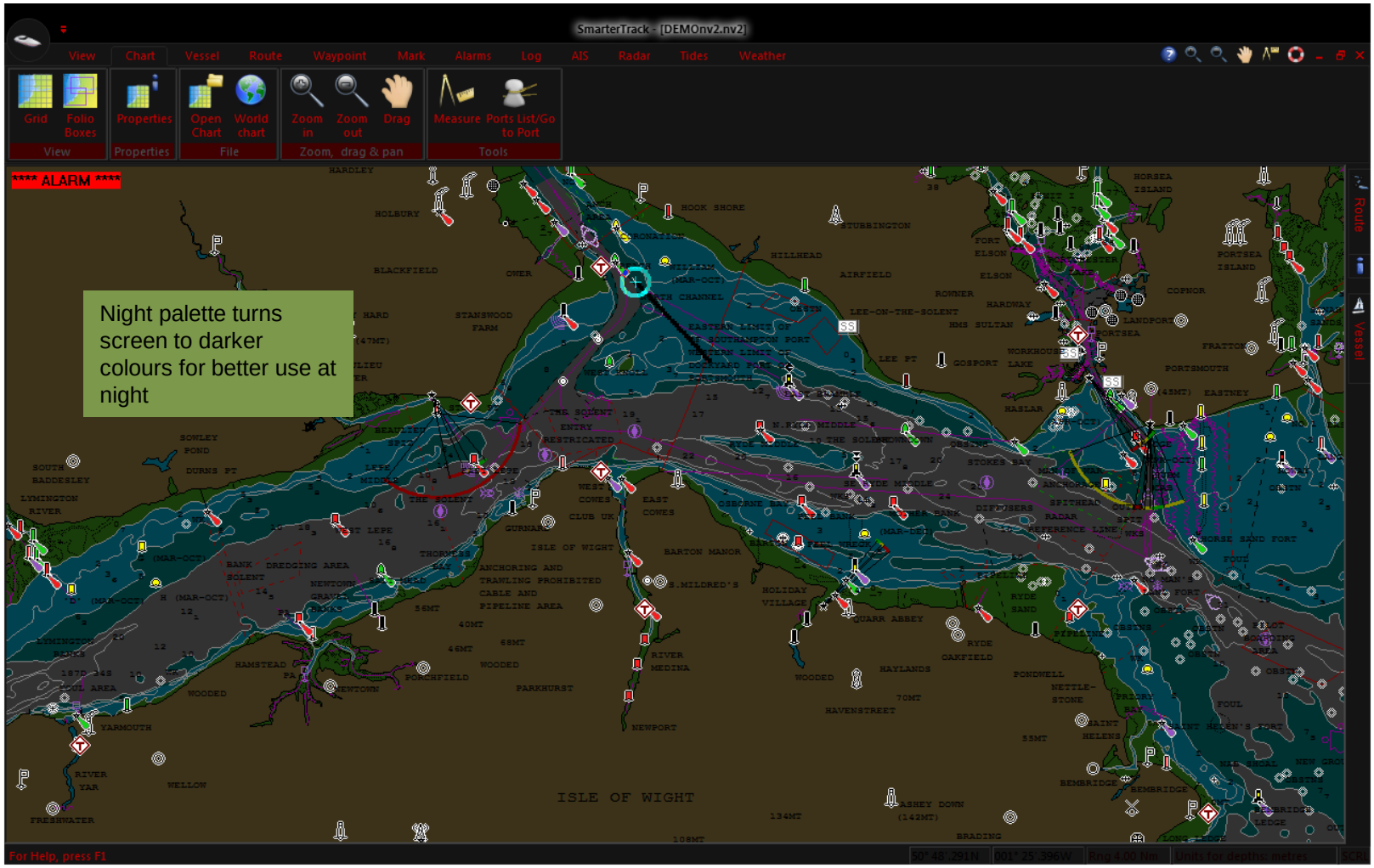
Navaid Information



Waypoints & Marks



Night Display



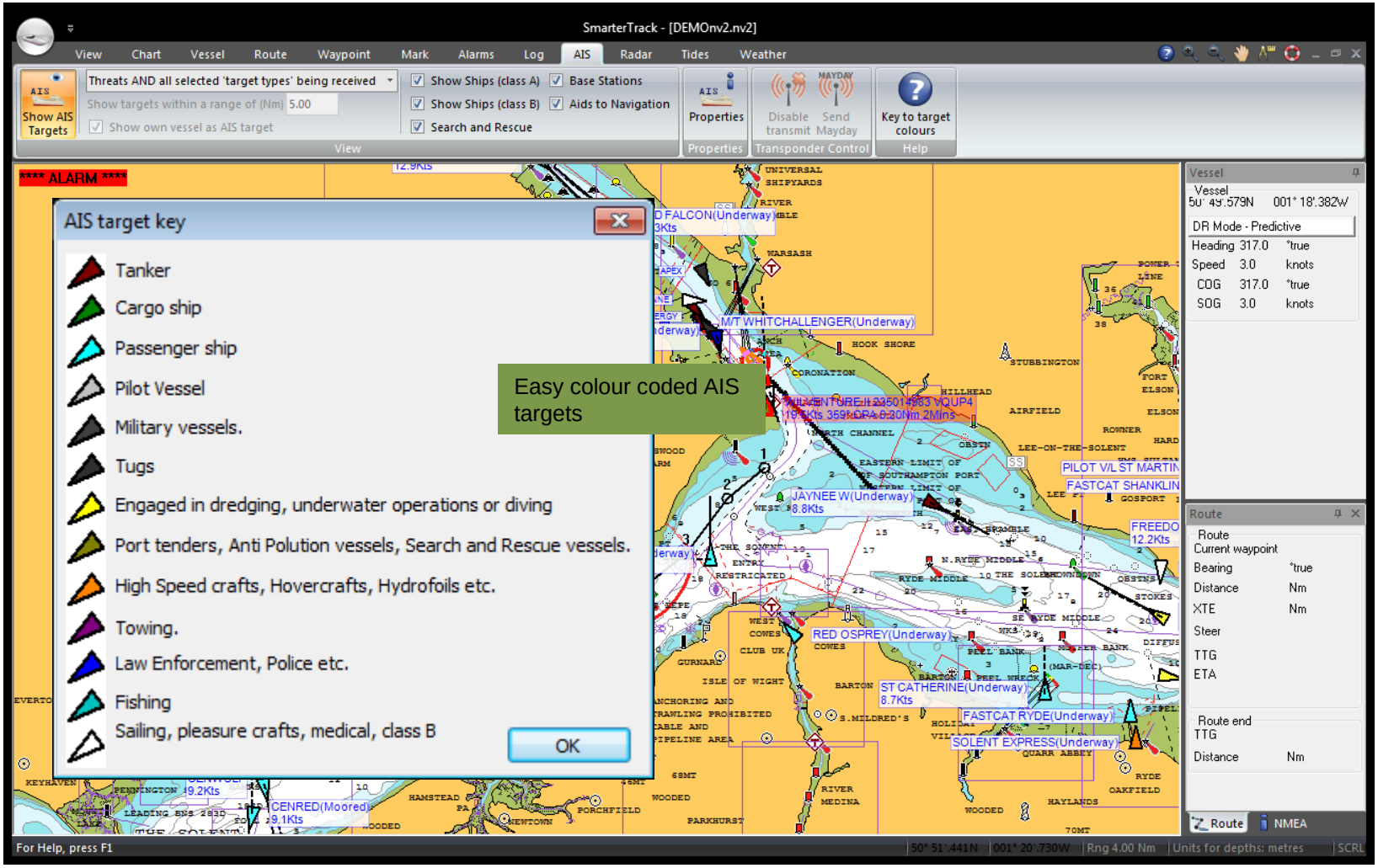
SmarterTrack has been specifically designed to integrate with Digital Yacht's range of AIS products for the best possible AIS target presentation. For a portable solution, utilise uAIS

SMARTERTRACK

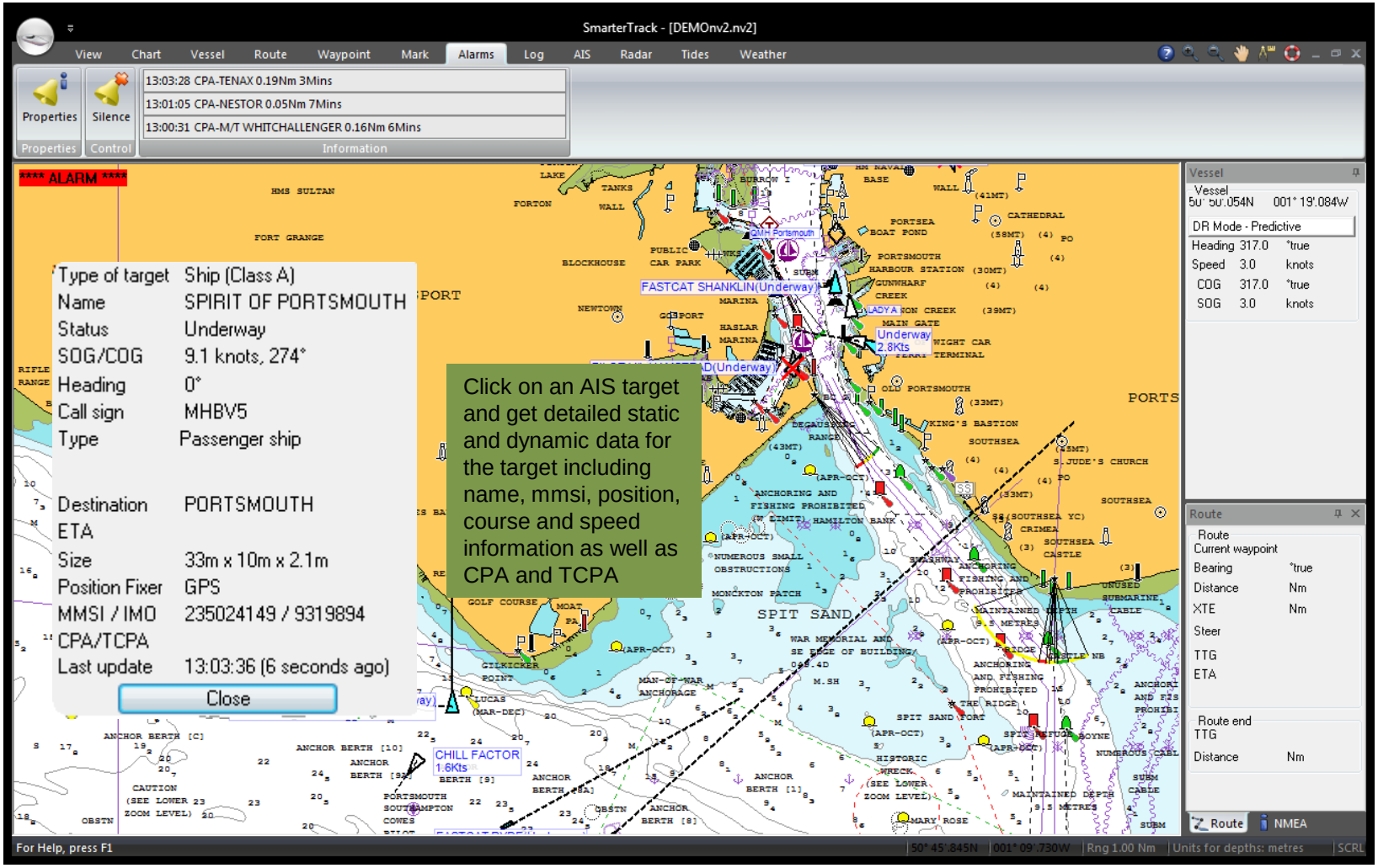
AIS Target Displays

(Requires connection to AIS)

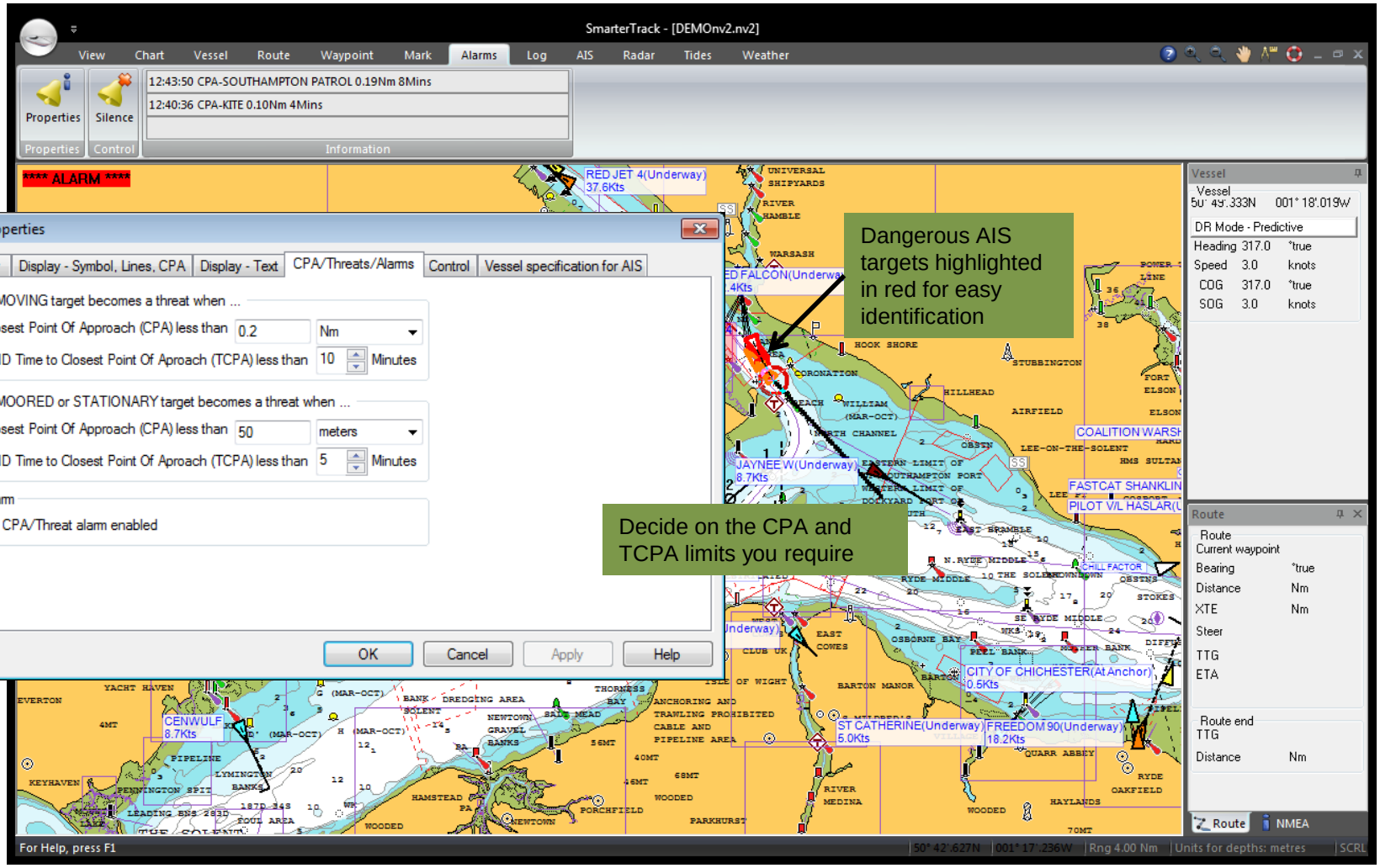
AIS TARGETS – Colour Coding



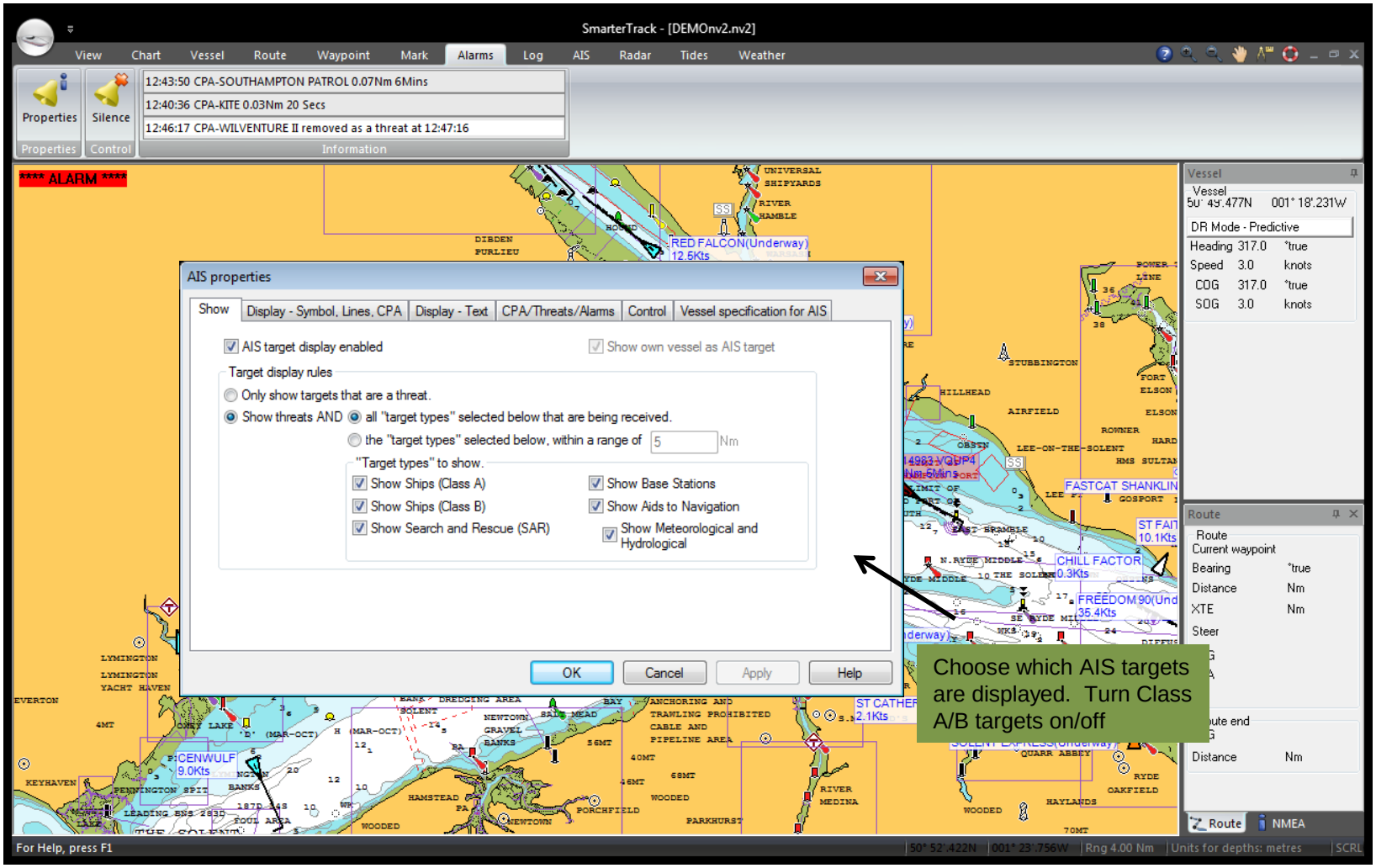
AIS Target Data



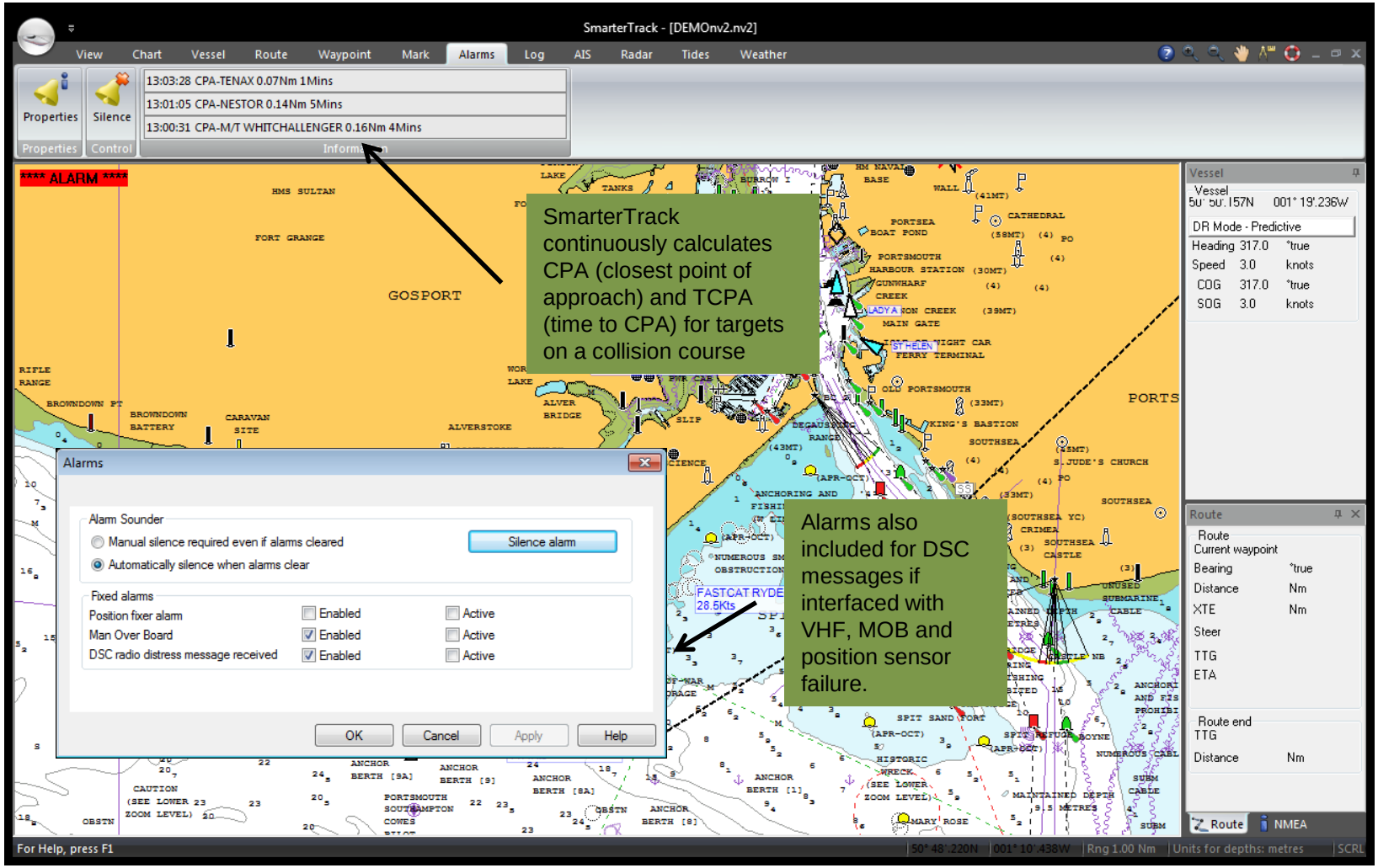
AIS Target Alarms



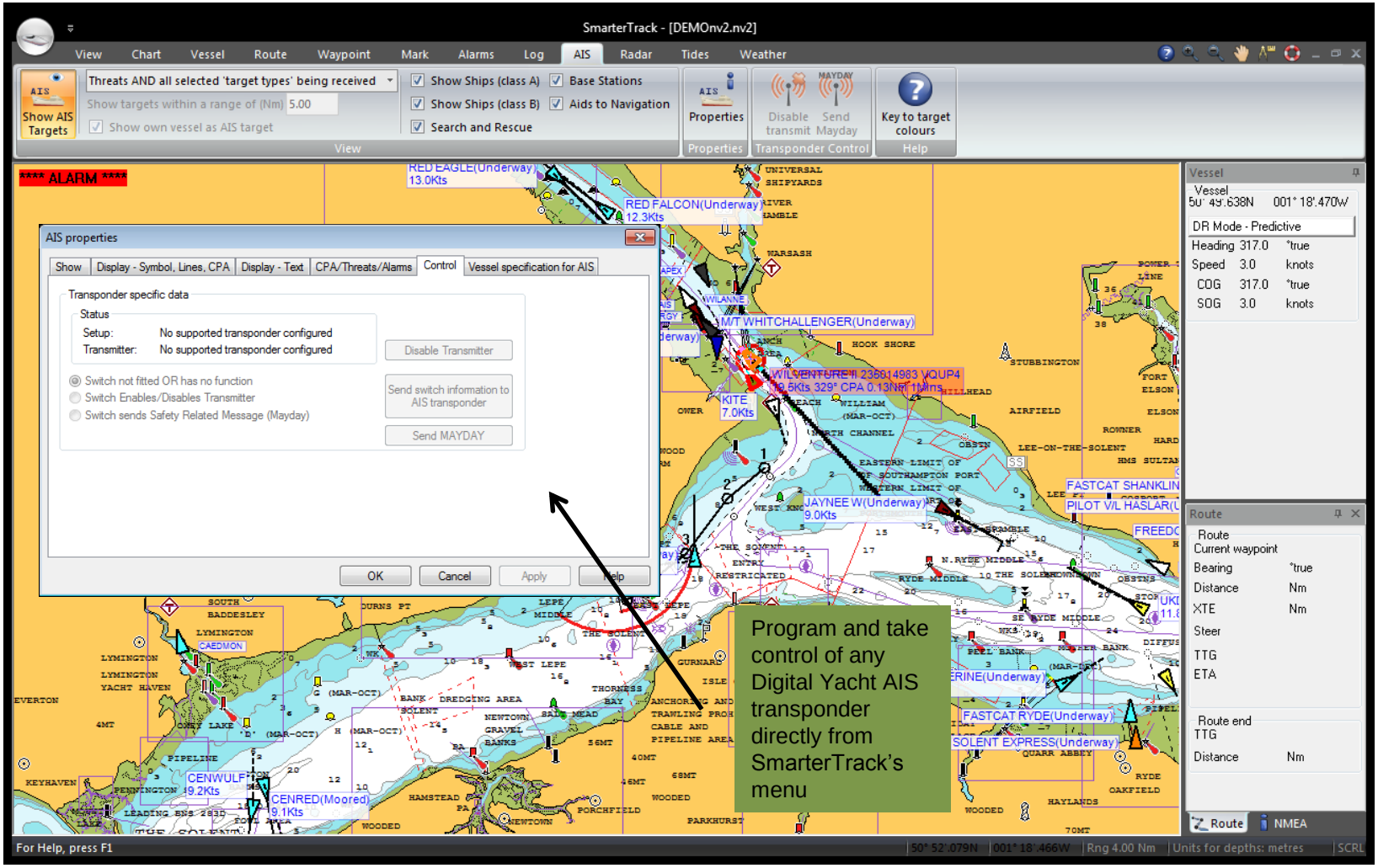
AIS Target Selection



AIS Alarm Functions



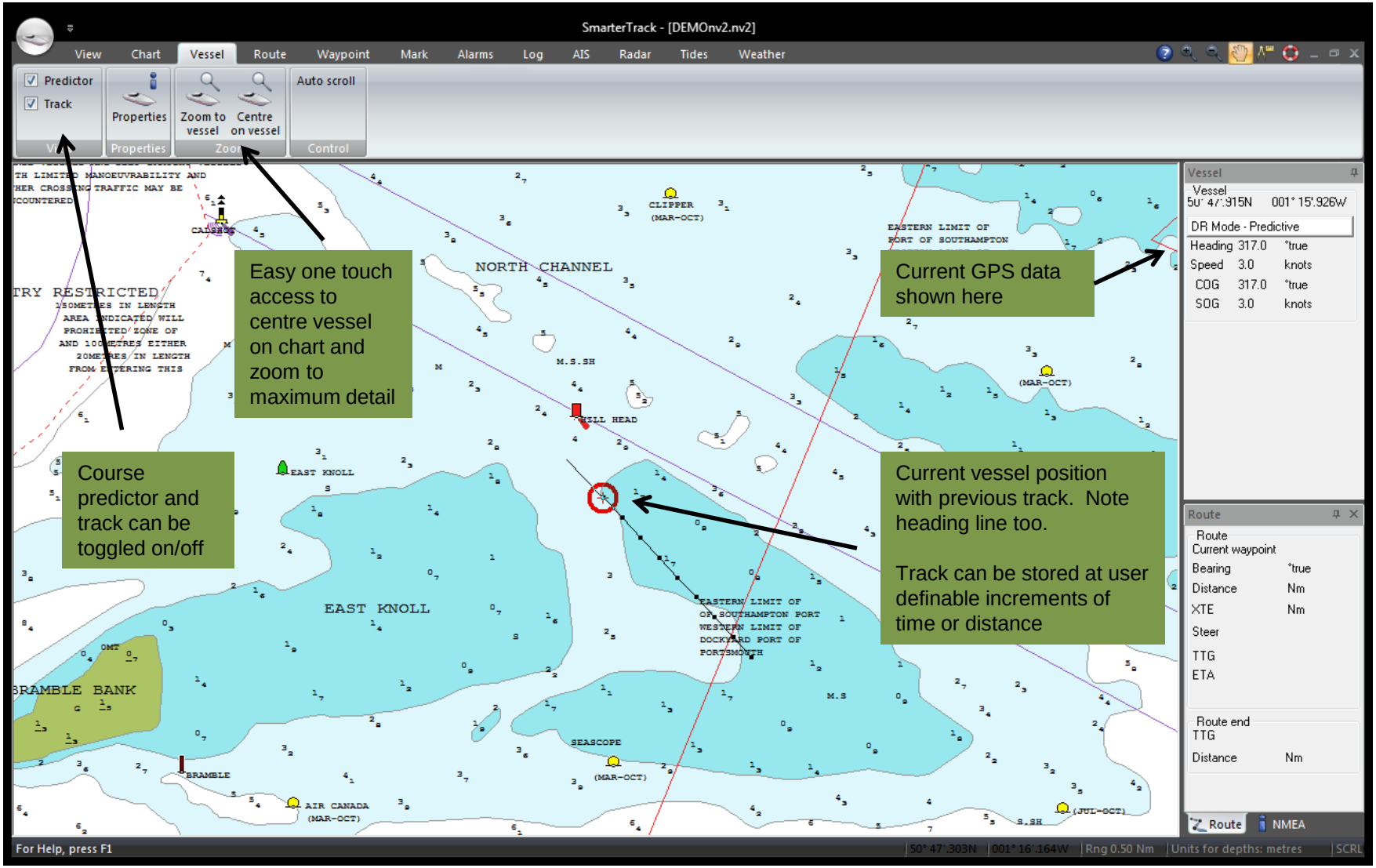
Interface with Digital Yacht AIS products



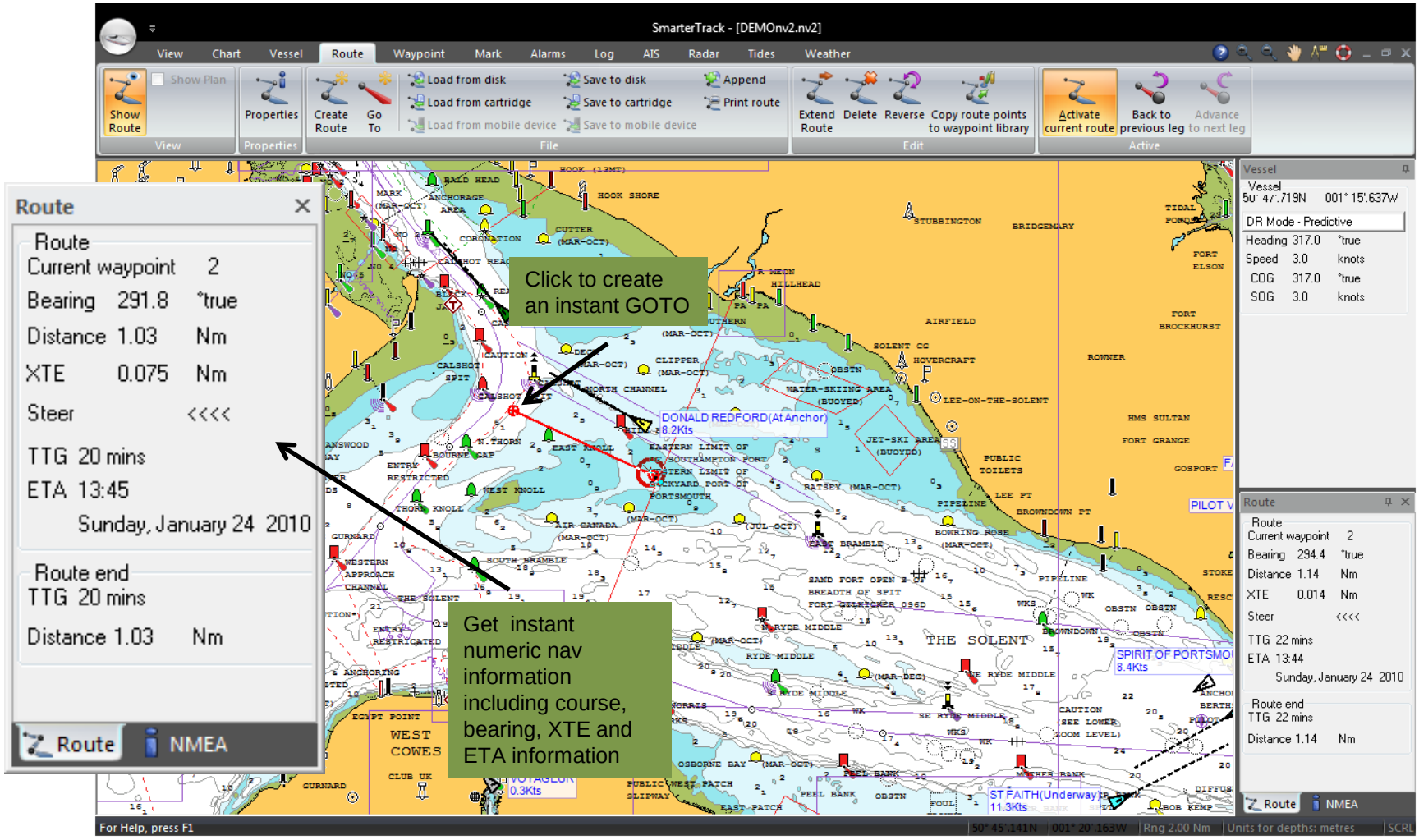
SMARTERTRACK

On the move – GOTO and routing functions

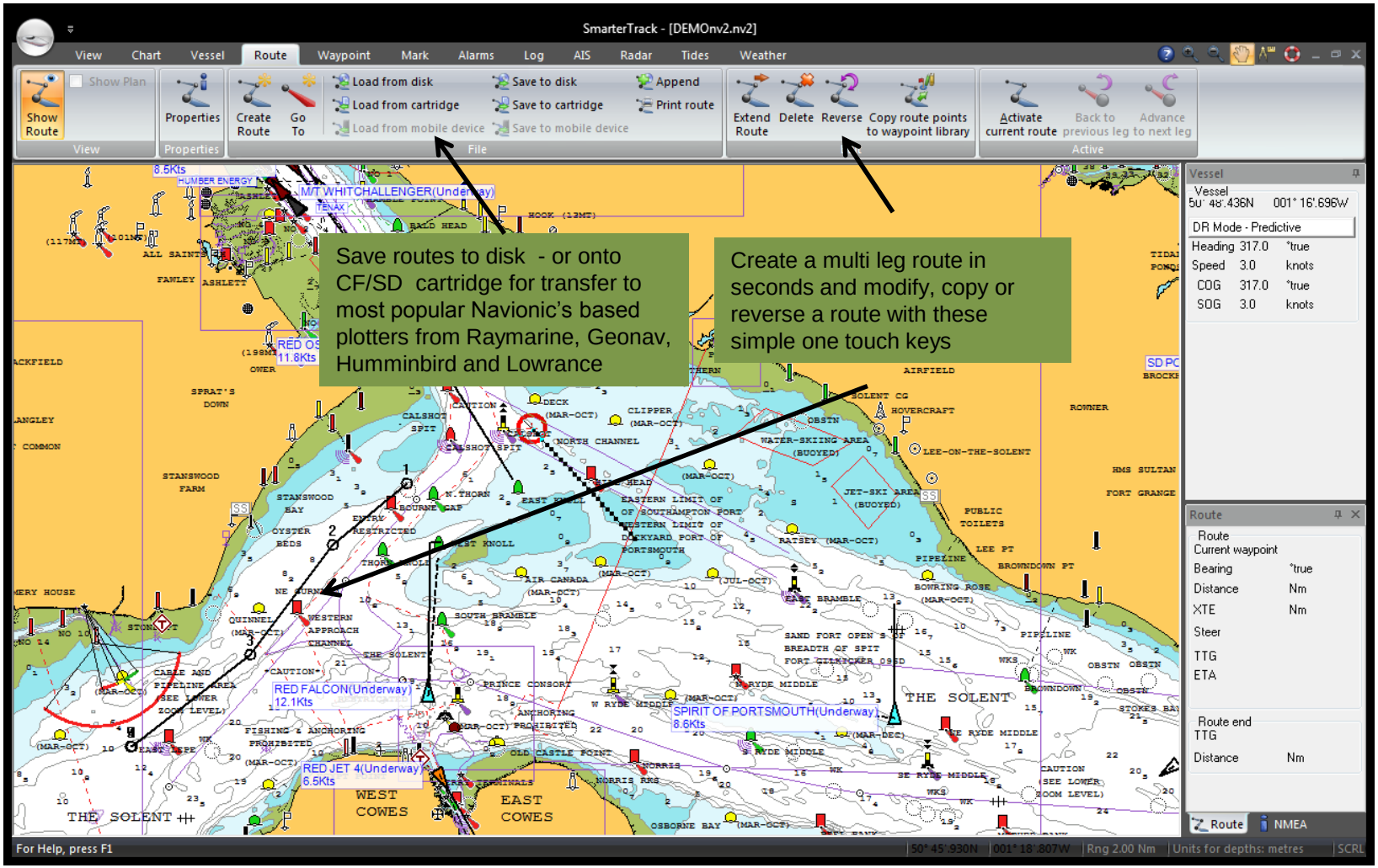
Basic Vessel Menu



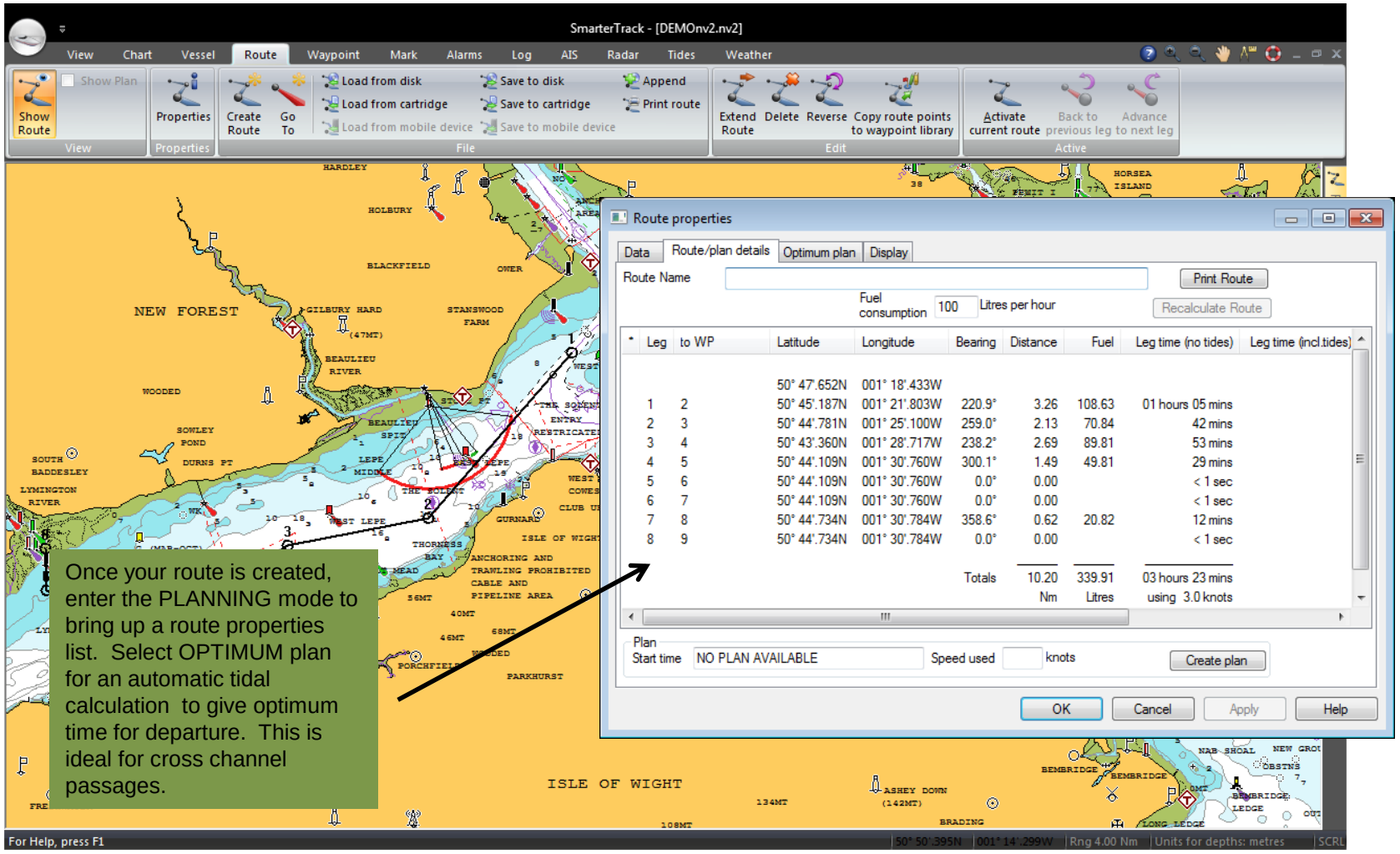
GOTO Function



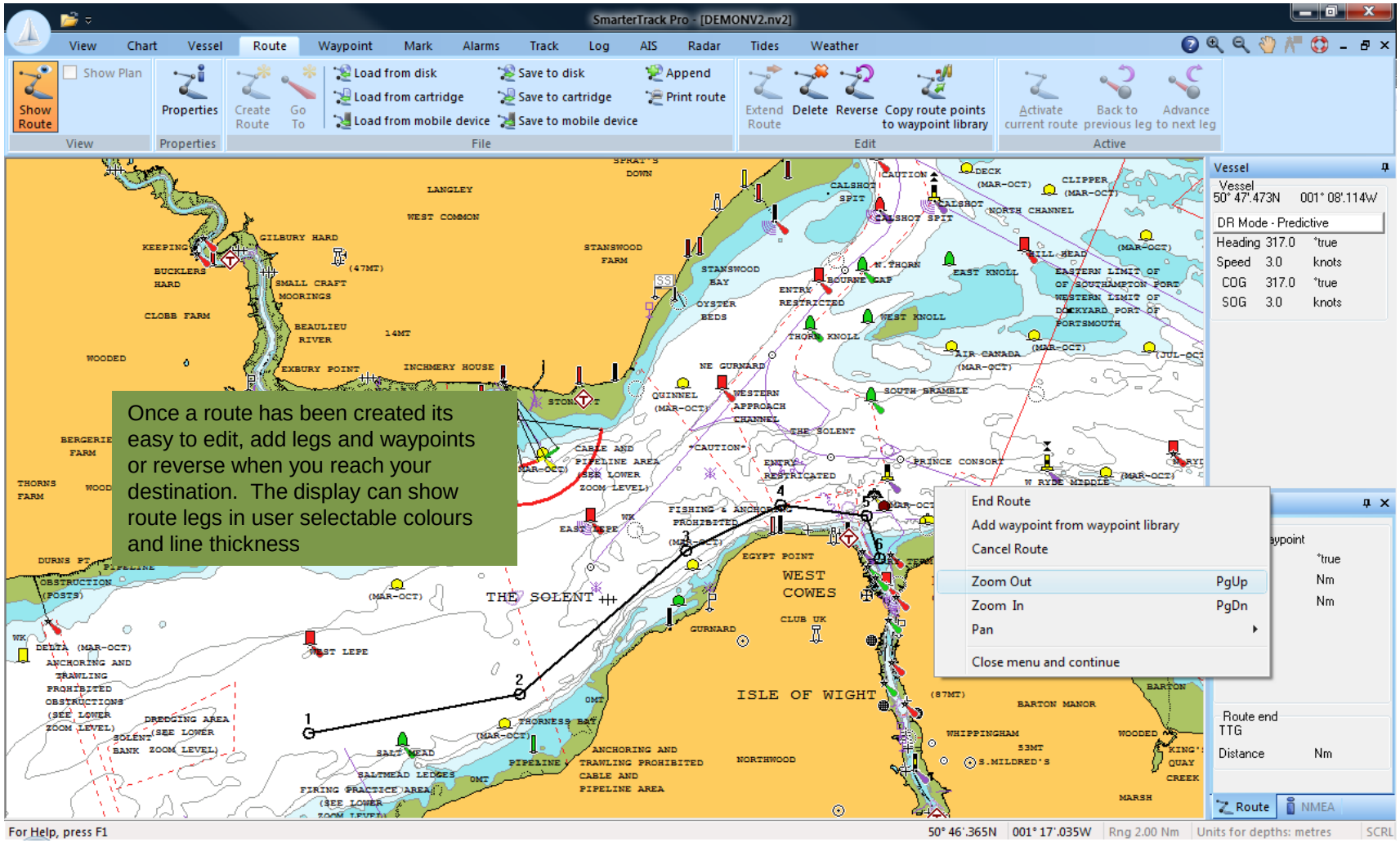
Route Menu


SmarterTrack - [DEMOnv2.nv2]
View
Chart
Vessel
Route
Waypoint
Mark
Alarms
Log
AIS
Radar
Tides
Weather
Show Route
Show Plan
Properties
Create Route
Go To
Load from disk
Load from cartridge
Load from mobile device
Save to disk
Save to cartridge
Save to mobile device
Append
Print route
Extend Route
Delete
Reverse
Copy route points to waypoint library
Activate current route
Back to previous leg
Advance to next leg
View
Properties
File
Active
Save routes to disk - or onto CF/SD cartridge for transfer to most popular Navionic's based plotters from Raymarine, Geonav, Humminbird and Lowrance
Create a multi leg route in seconds and modify, copy or reverse a route with these simple one touch keys
Vessel
DR Mode - Predictive
Heading 317.0 °true
Speed 3.0 knots
COG 317.0 °true
SOG 3.0 knots
Route
Current waypoint
Bearing °true
Distance Nm
XTE Nm
Steer
TTG
ETA
Route end
TTG
Distance Nm
Route
NMEA
THE SOLENT
WEST COWES
EAST COWES
RED FALCON(Underway)
12.1Kts
RED JET 4(Underway)
6.5Kts
SPIRIT OF PORTSMOUTH(Underway)
8.6Kts
For Help, press F1

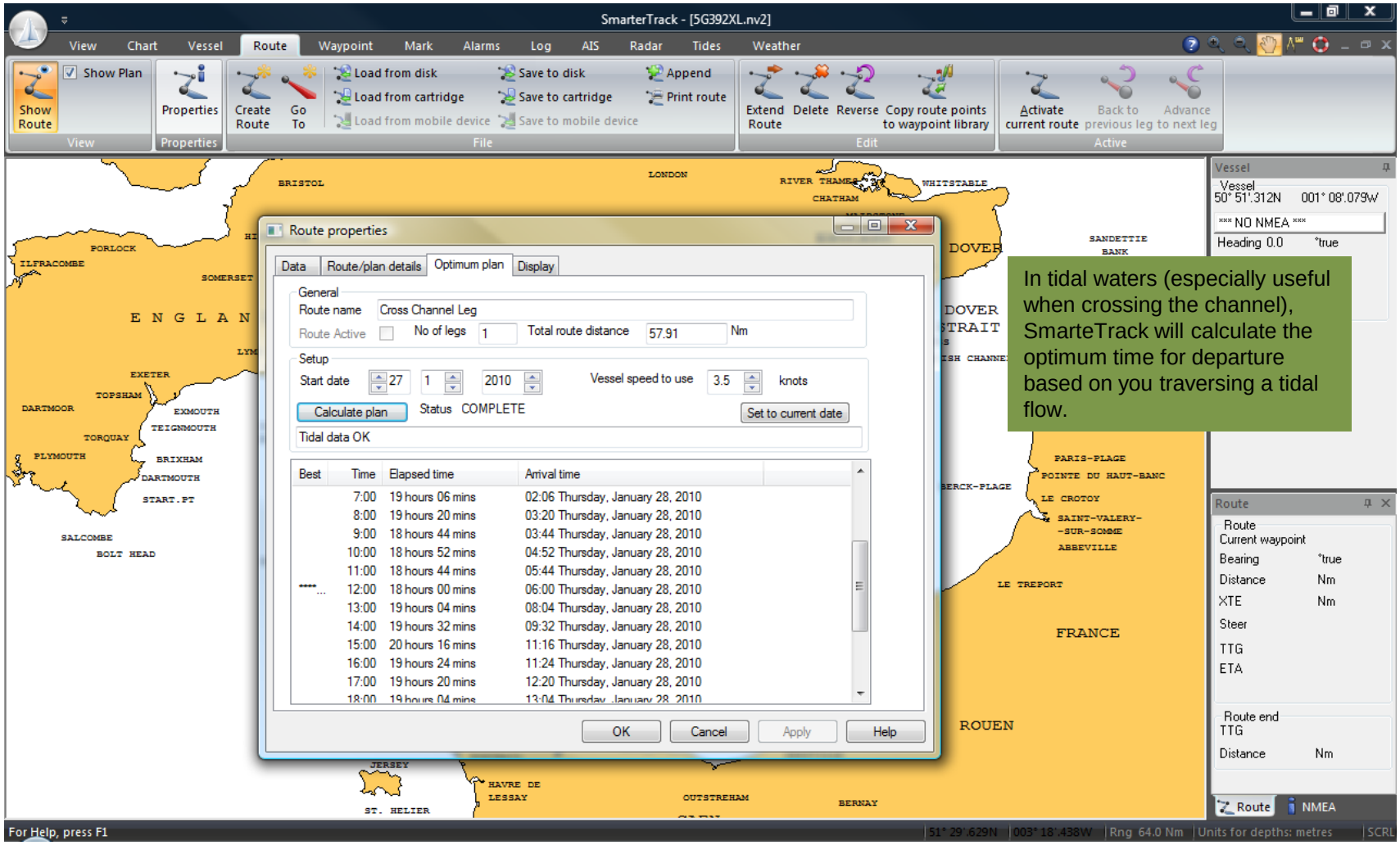
Route Planning



Route Editing



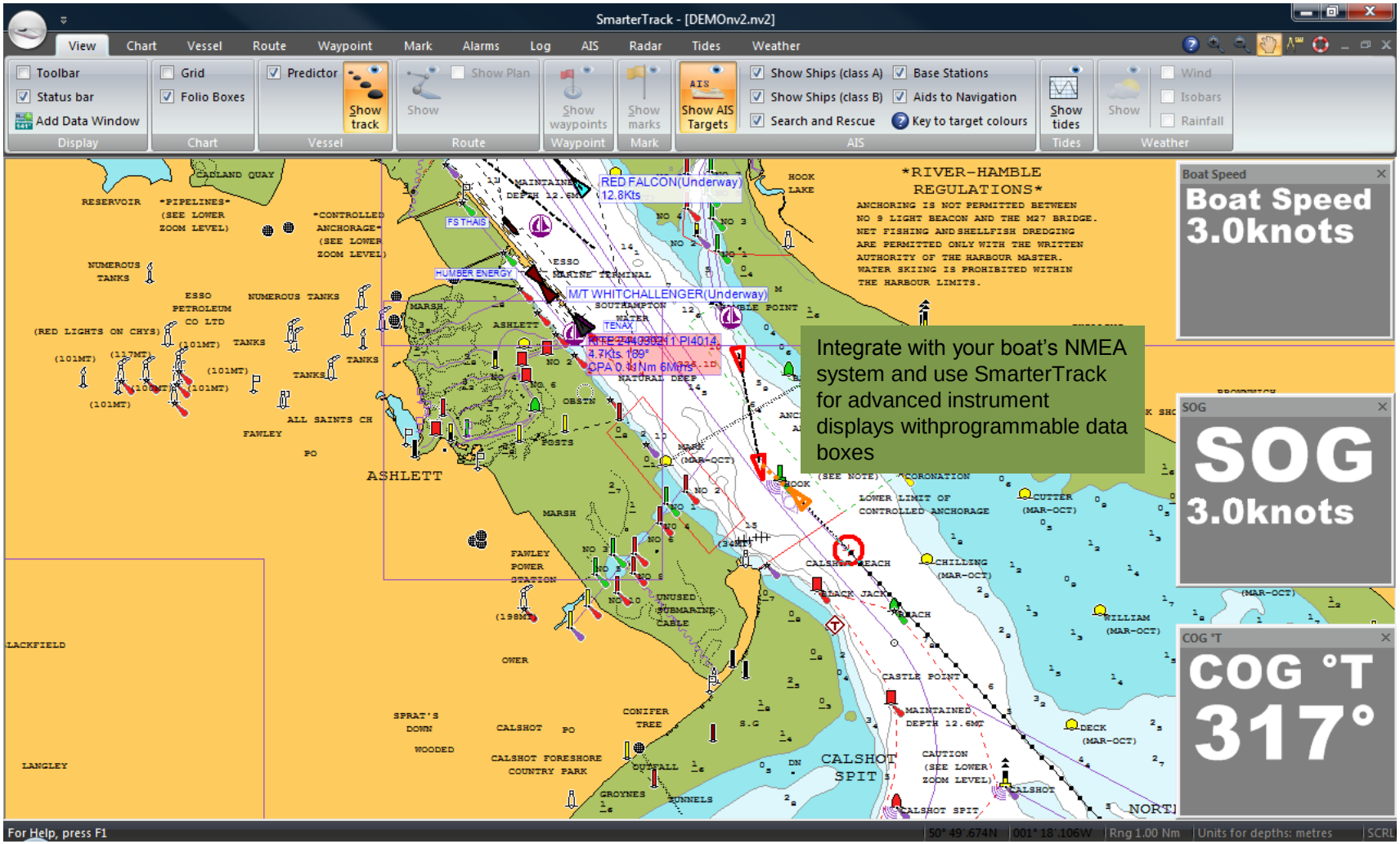
Route Optimisation



SMARTERTRACK

Advanced Features

Instrument Displays

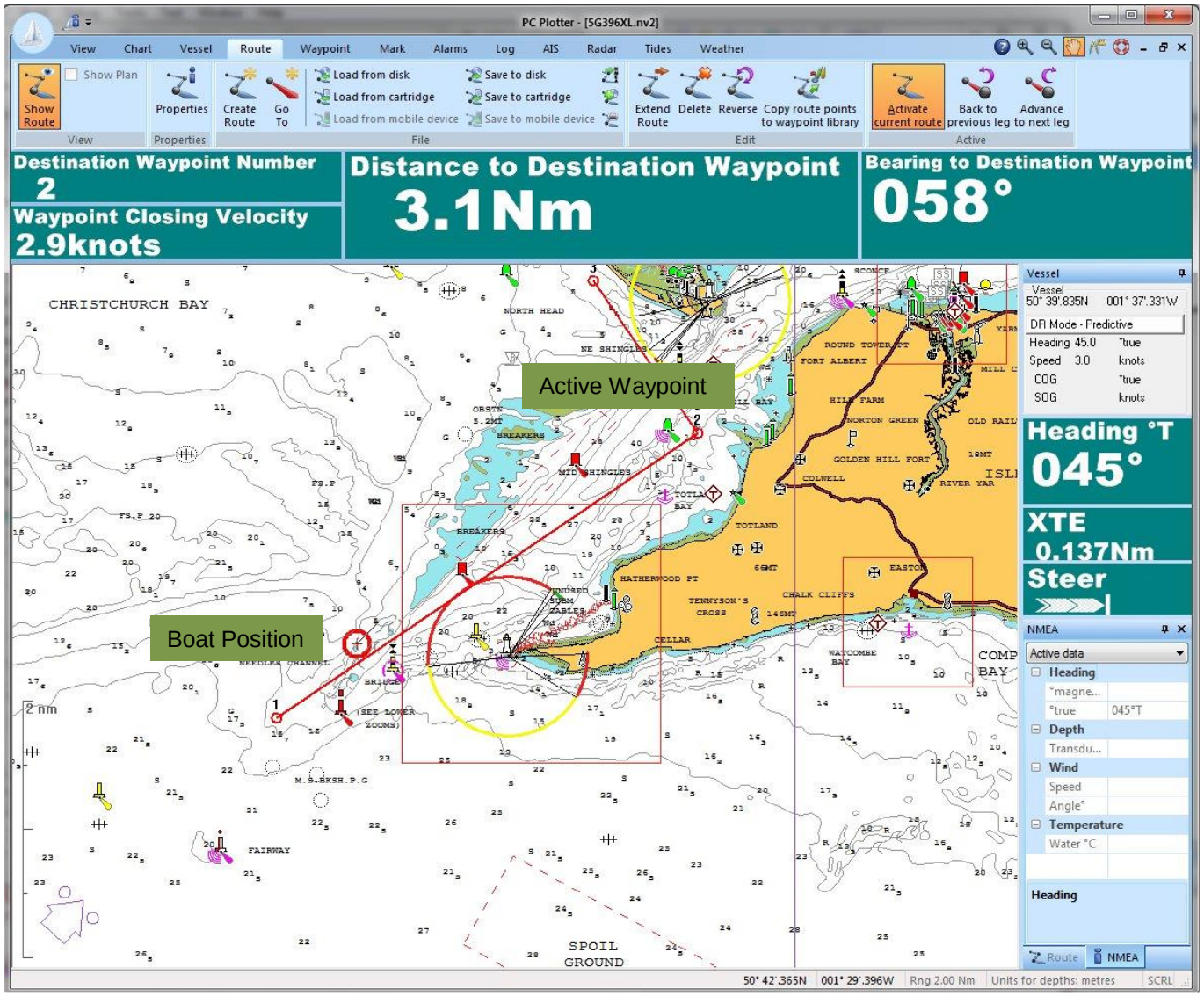


Data Windows

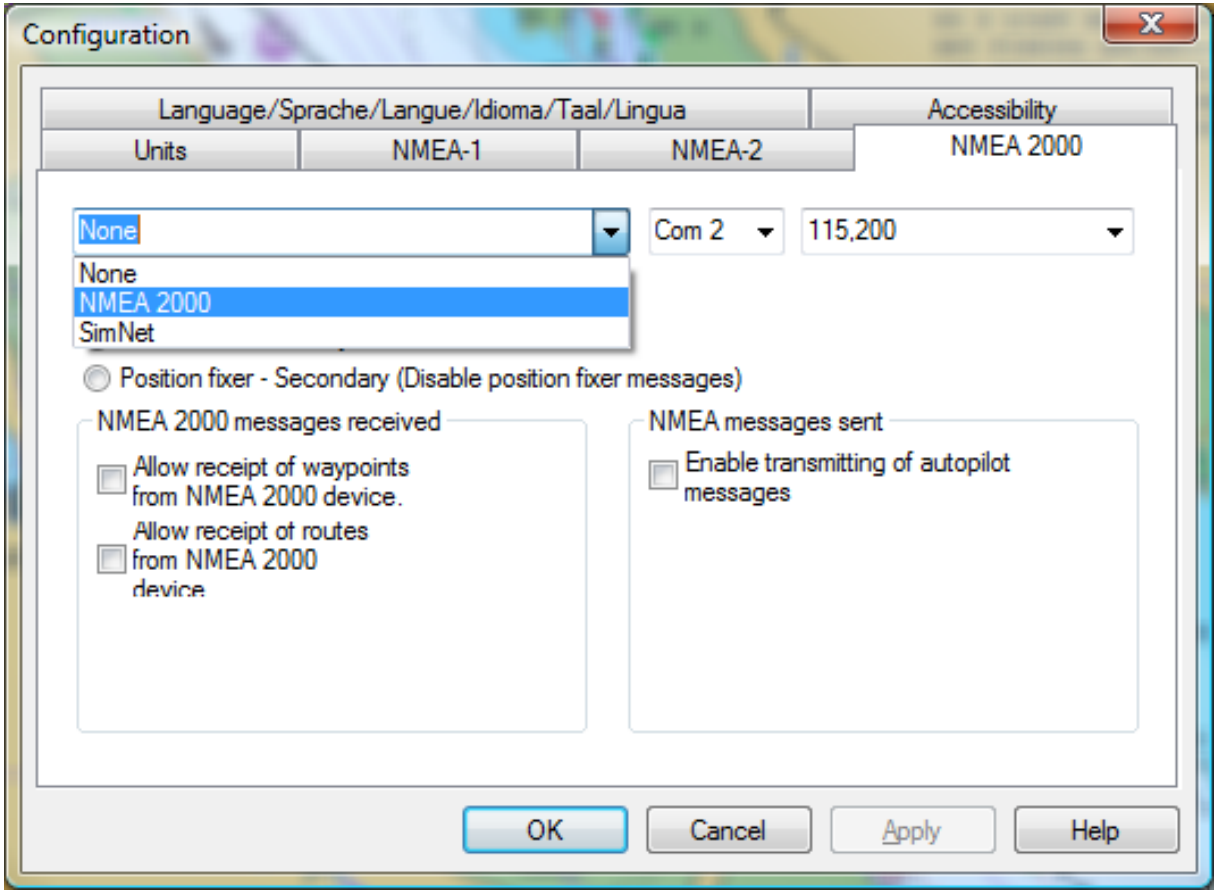
Data windows allows full customisation of the display with numeric, graphic and charting data laid out in a format to suit your needs. Colours and fonts can also be applied for the best in graphic representation.

This display is ideal for navigating to a waypoint with waypoint closing velocity, distance, bearing and cross track error simply displayed

Note the vessel icon cab be set as a small or large boat or simple circle. A heading vector can also be added

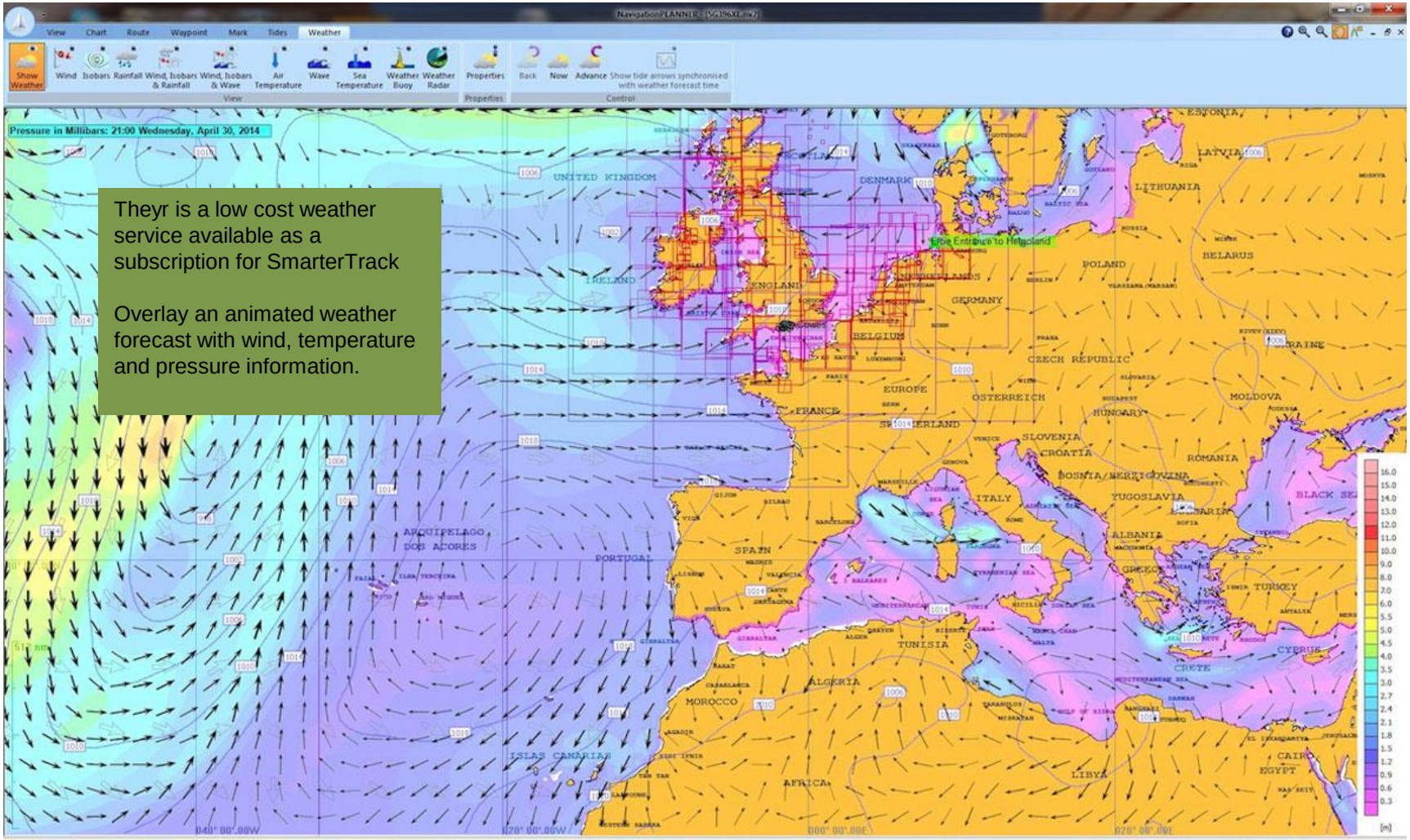


NMEA 2000 Integration



In addition to dual NMEA 0183 interfaces, SmarterTrack can also connect to a NMEA 2000 system via Digital Yacht's NMEA 2000 USB gateway

Theyr Weather Overlays



Sonar Chart Compatible

SmarterTrack can display Sonar Charts – crowd sourced depth data that's now available thanks to regular updates from Navionics.

Navionics make this data available on chart cartridges once its been validated and it allows for much more detailed bathymetry

Ordering

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Digital Yacht America

TEL 978 277 1234

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Email sales@digitalyachtamerica.com