



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 Navionics'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



- 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

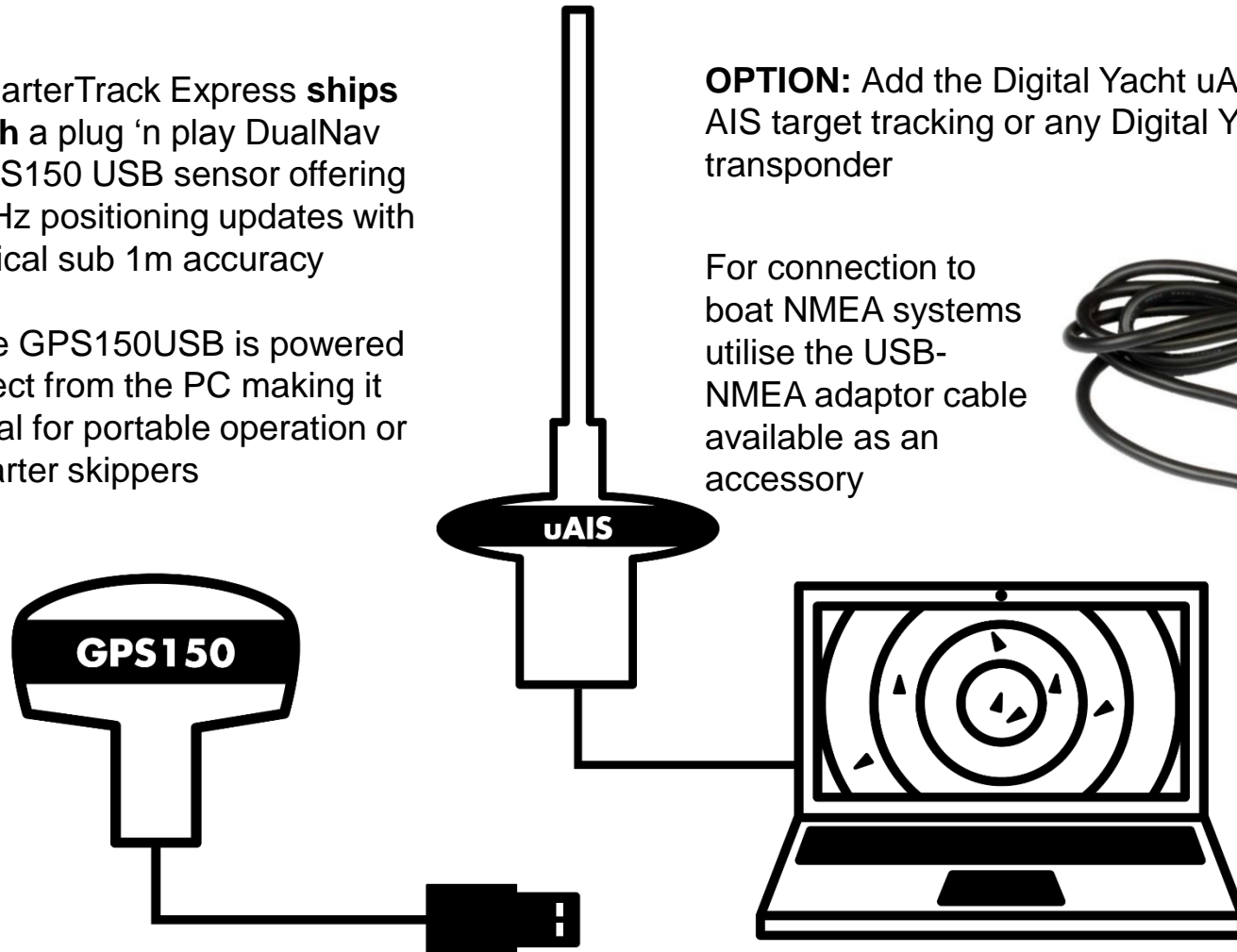
System Approach

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 Navionics's charting data (GOLD & PLATINUM)
- Copy your Navionics'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

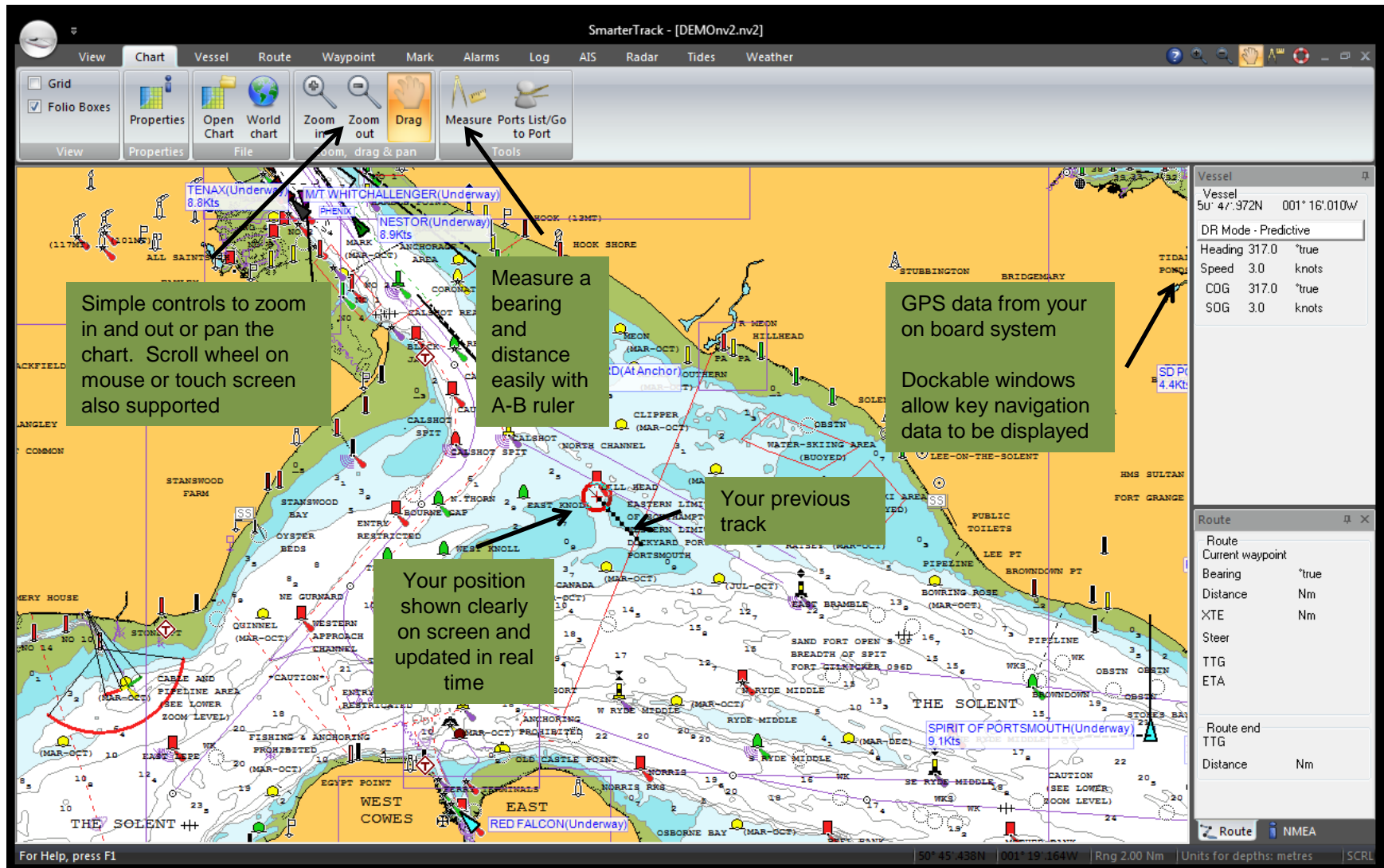


Chart Layers

Chart properties

Layers | Display options and chart operation | General

Chart layers

- ☒ Address
- ☒ Admin area
- ☒ Anchorage area
- ☒ Annotation (text)
- ☒ Buildings
- ☒ Cables
- ☒ Control points
- ☒ Cultural features
- ☒ Depth areas & contours Details
- ☒ Ferry way
- ☒ Fish area
- ☒ Lakes
- ☒ Land (cannot be turned off)
- ☒ Landmarks
- ☒ Magnetic anomalies
- ☒ Manoeuvre
- ☐ Metadata (not available in this chart)
- ☒ Military areas
- ☒ Nature of seabed
- ☒ Nav aids
- ☒ Obstructions
- ☒ Offshore structures
- ☒ Pipeline
- ☒ Port
- ☒ Railways
- ☒ Relief
- ☒ Restricted areas
- ☒ Roads
- ☒ Rocks
- ☒ Services
- ☒ Settlement
- ☒ Shore line construction
- ☒ Spot soundings
- ☒ Swept areas
- ☒ Tides and current
- ☒ Track routes
- ☒ Traffic area
- ☒ Transportation
- ☒ Unsurveyed areas
- ☒ Various other data
- ☒ Waste Area
- ☒ Vegetation
- ☒ Water lines
- ☒ Wrecks

Auxiliary layers

- ☒ Folio boxes
- ☐ Grid

All chart layers ON
All chart layers OFF

Use previously saved settings | Save current settings | ☐ Use saved settings when loading a chart.

OK | Cancel | Apply | Help

Chart layers allow the user to select the data required allowing a custom view of any chart – have as much or as little information as required plus customise depth contours to your needs

Vessel

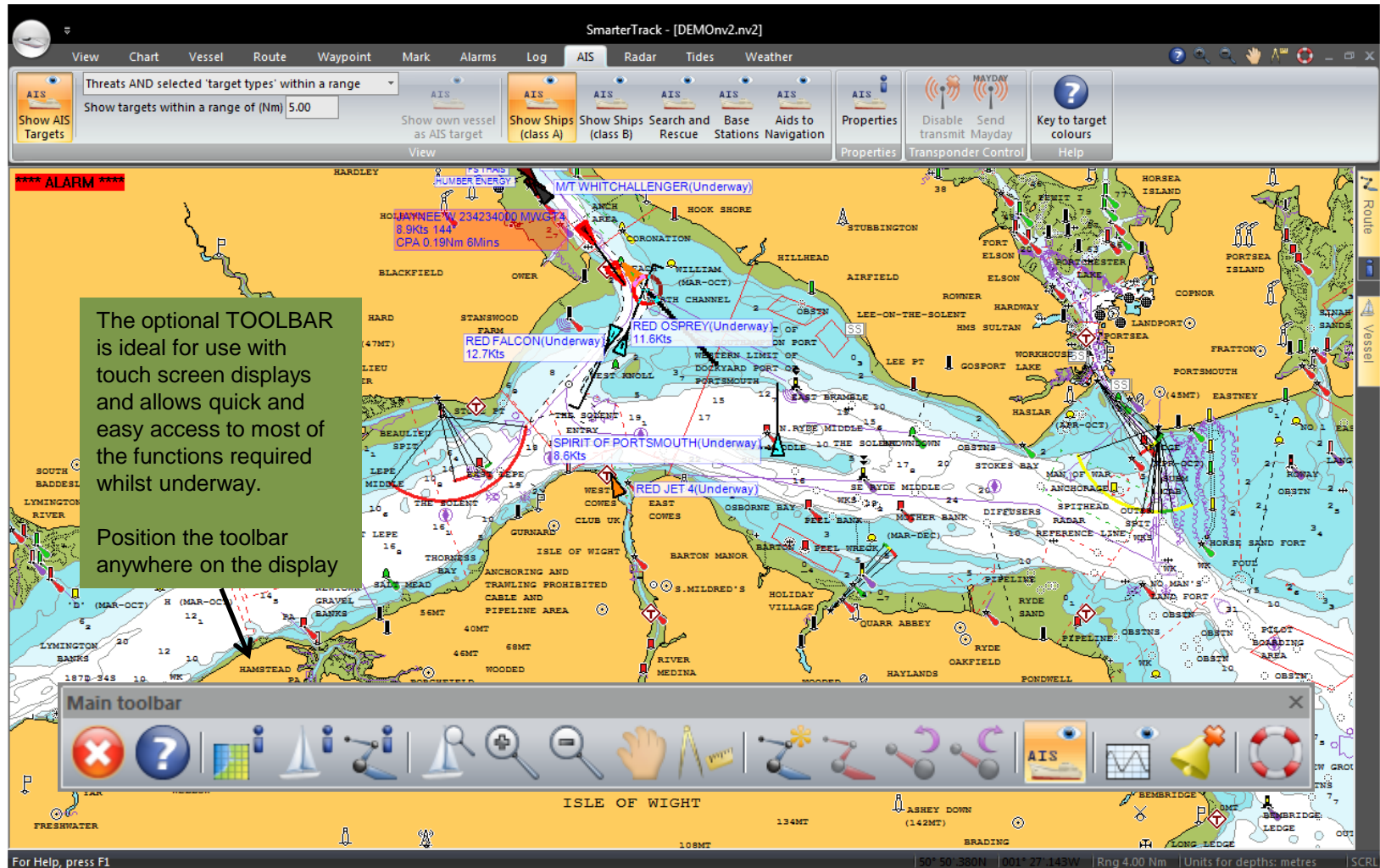
Vessel	50° 49' 709N 001° 18' 575W
DR Mode - Predictive	
Heading	317.0 °true
Speed	3.0 knots
COG	317.0 °true
SOG	3.0 knots

Route

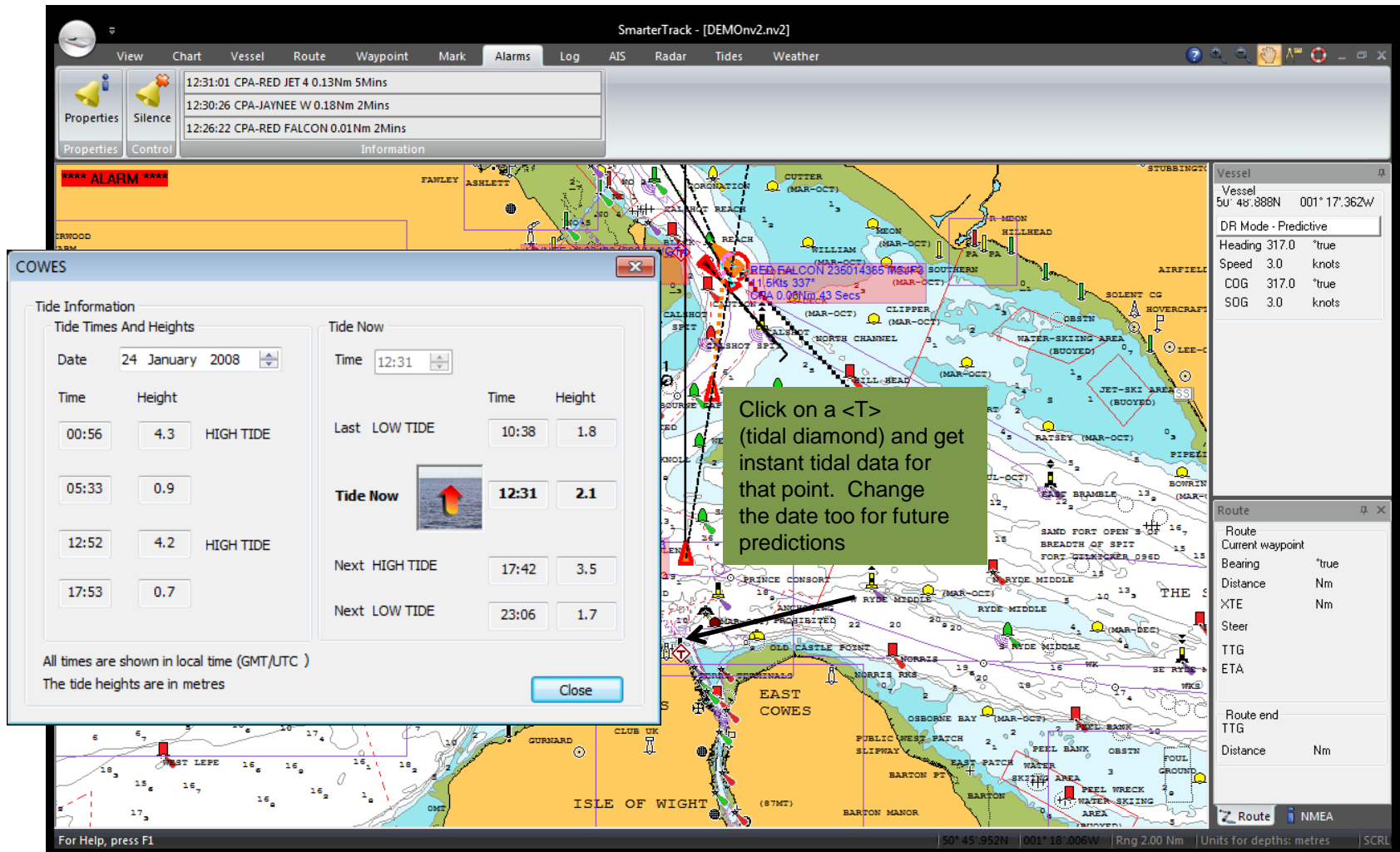
Route	Current waypoint
Bearing	°true
Distance	Nm
XTE	Nm
Steer	
TTG	
ETA	
Route end	TTG
Distance	Nm

For Help, press F1 | 50° 52' 468N | 001° 19' 524W | Rng 4.00 Nm | Units for depths: metres | SCRL

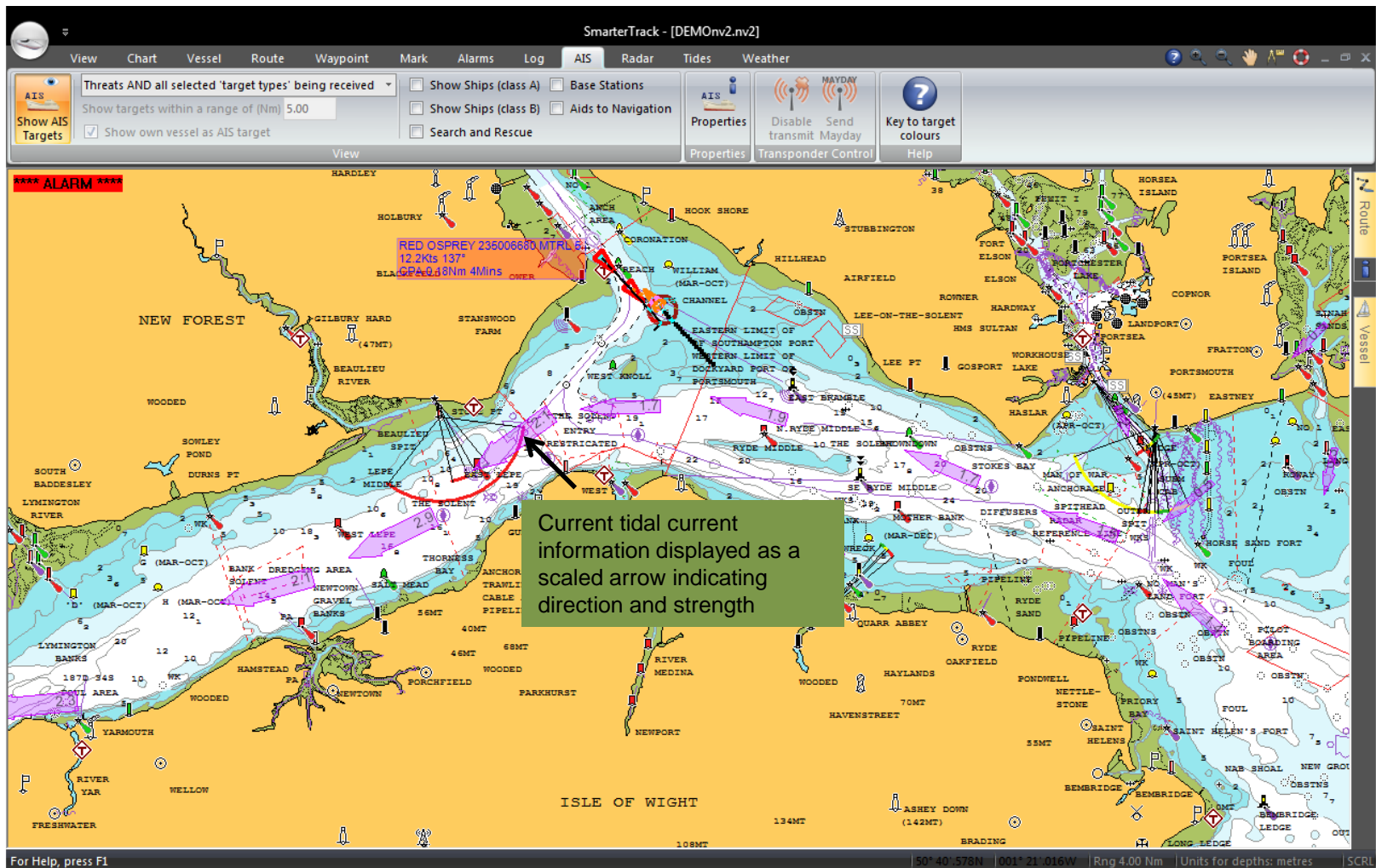
Optional Touch Toolbar



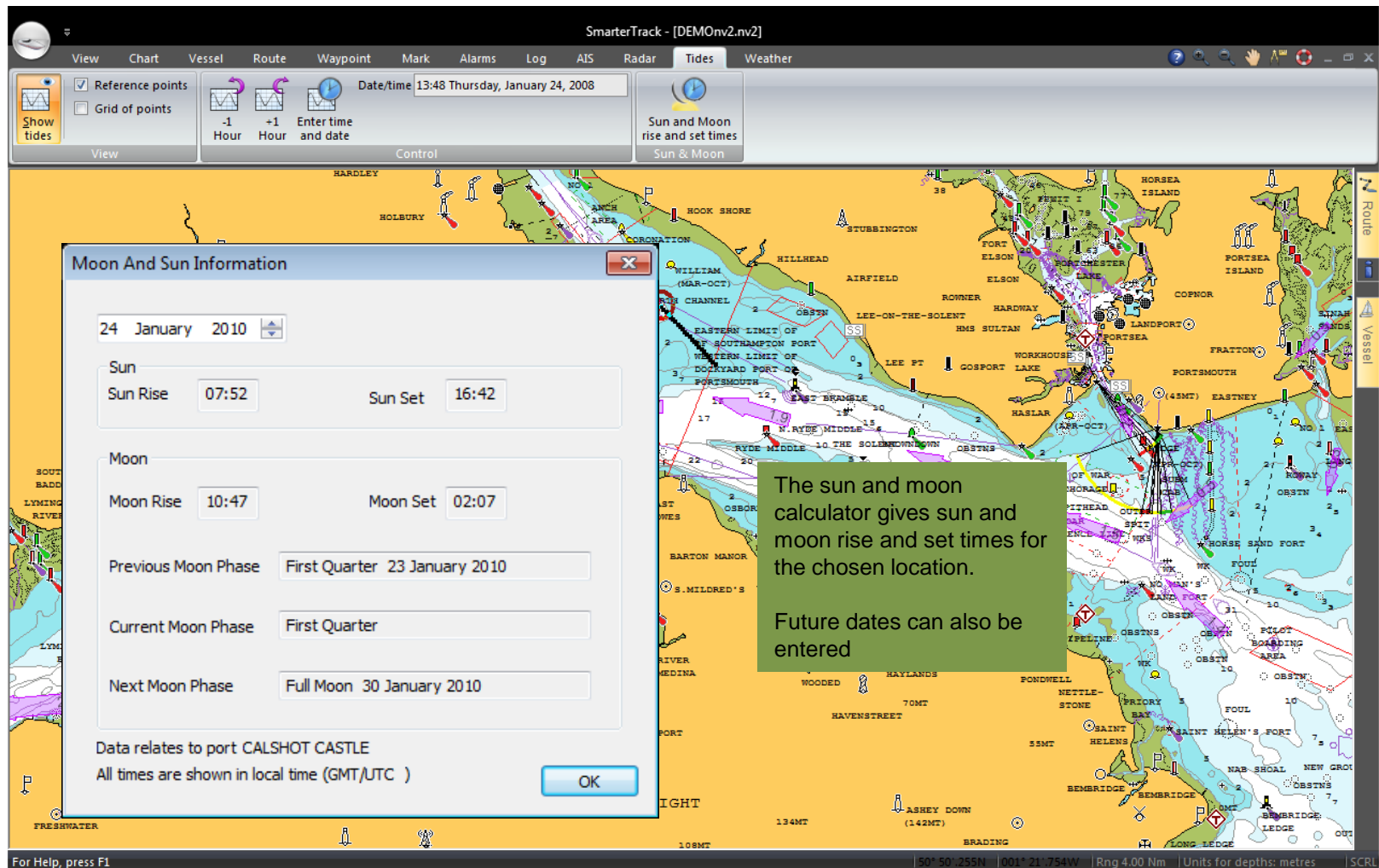
Tidal Data



Tidal Currents



Sun & Moon Calculations



Navaid Information

The screenshot displays the SmarterTrack software interface, titled "SmarterTrack - [DEMOv2.nv2]". The main window shows a nautical chart of the Solent area, including North Head, The Solent, and the Isle of Wight. A yellow circle highlights a specific buoyage overlay. A green text box with an arrow points to this area, stating: "buoyage overlaid onto the chart".

A detailed information pop-up is visible, listing the following details for a lateral buoy:

- lateral buoy
- Can (cylindrical)
- Description: Port-hand lateral mark
- Red
- Buoyage system: IALA A
- MID SHINGLES
- Abbr. characteristics: R FL(3) R 10S
- Lateral buoy

Below the pop-up, a status bar indicates "Total Number of Objects 1 of 3". Navigation buttons "Previous", "Next", and "Ok" are present. A green text box with an arrow points to the "Previous" button, stating: "Right click on a buoy, object or navaid and get pop up detailed information".

The right sidebar contains two panels:

- Vessel**:
 - Vessel: 50° 49' 34.1N 001° 18' 9.17W
 - 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

The bottom status bar shows coordinates "50° 41' 22.1N | 001° 34' 67.8W", range "Rng 1.00 Nm", units "Units for depths: metres", and a "SCRL" button.

Waypoints & Marks

The screenshot displays the SmarterTrack software interface. The 'Waypoint' menu is open, showing options like 'Load from disk', 'Save to disk', 'Print', 'Load from cartridge', 'Save to cartridge', 'Send to NMEA device', 'Load from mobile device', and 'Save to mobile device'. The 'Add waypoint' dialog is open, showing fields for 'Long name', 'Short name', 'Group name', 'Position' (Latitude: 50° 47'.316N, Longitude: 001° 16'.606W), 'Display options' (Symbol/Icon, Long name, Short name, Position), 'Range rings' (Distance, Number), 'Waypoint arrival radius' (Distance), 'Notes', 'Depth' (metres), and 'Date added' (24-01-2010). The 'Symbol' selection window is also open, showing a grid of various symbols for selection. A green box with text explains that a waypoint can be created by clicking the mouse, giving it a name, notes, and an icon identifier. Another green box explains that if you have a Navionics compatible plotter (e.g., Lowrance, Raymarine C/E series, Humminbird etc), you can save waypoints with the same icons as the plotter, and routes and waypoint data can then be easily exchanged.

SmarterTrack - [DEMONv2.nv2]

View Chart Vessel Route **Waypoint** Mark Alarms Log AIS Radar Tides Weather

Show waypoints Library Add Waypoint

Load from disk Save to disk Print
Load from cartridge Save to cartridge Send to NMEA device
Load from mobile device Save to mobile device

File

Create a waypoint at the click of the mouse. Give it a name, additional notes and an icon identifier

If you have a Navionics compatible plotter (eg Lowrance, Raymarine C/E series, Humminbird etc) you can save waypoints with the same icons as the plotter. Routes and waypoint data can then be easily exchanged

Long name
Short name
Group name
Position
Latitude 50° 47'.316N Longitude 001° 16'.606W Edit position Datum
Display options
Symbol/Icon
No text Show also
Long name Short name
Short name Position
Range rings Distance 0 Nm
Show Number of 0
Waypoint arrival radius Distance 0 Nm
Show
Notes
Depth metres
Date added 24-01-2010
Cancel OK

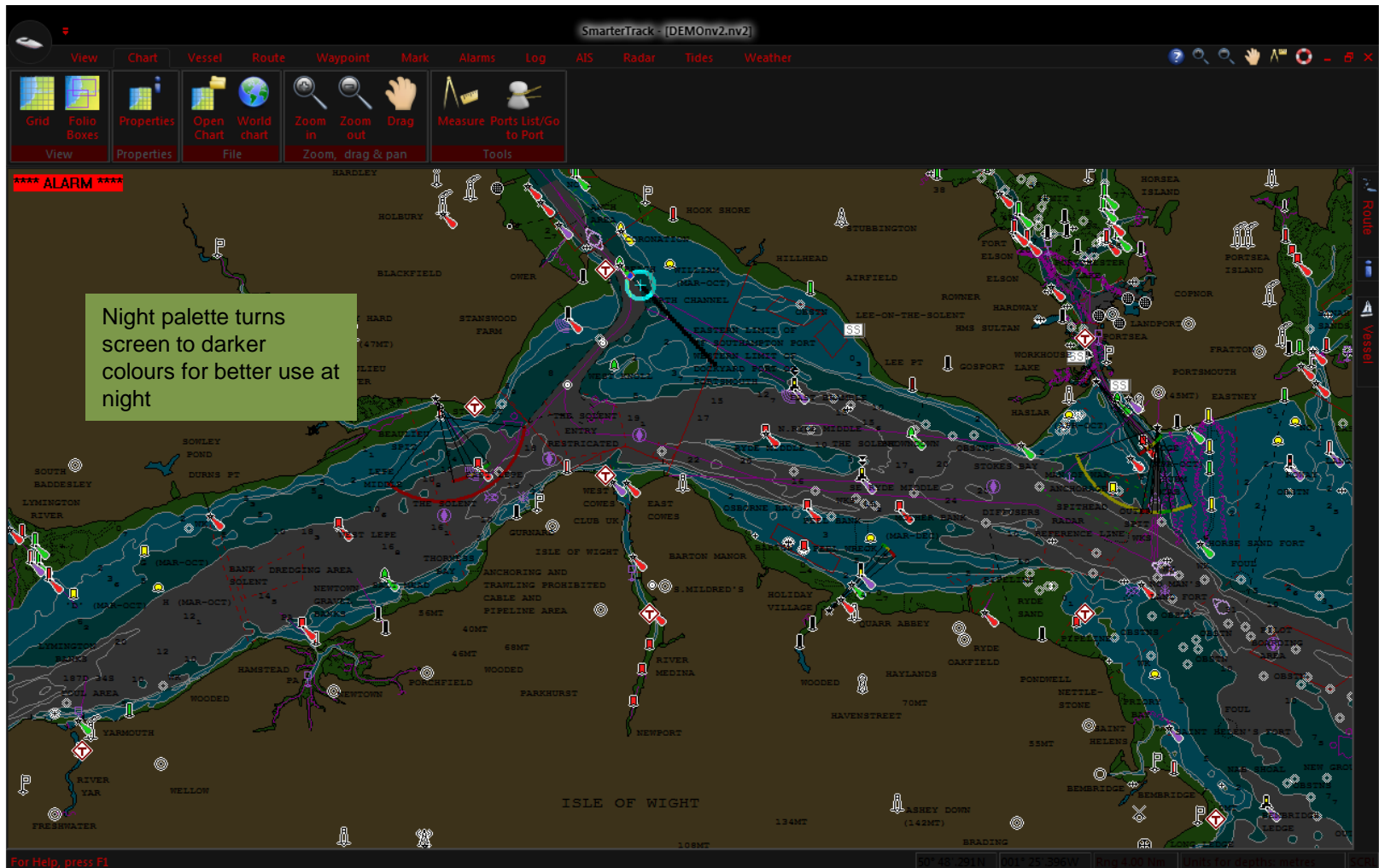
Symbol

Furuno Navnet Humminbird Lowrance/Eagle Raymarine C and E Series Raymarine A65 Northstar Furuno Navnet 3D
Standard 1 (Shapes) Standard 2 (Misc) Standard 3 (Land) Standard 4 (Sea) Geonav Furuno GP7000 Raymarine RC400/435

Current selection

OK Cancel Apply Help

Night Display



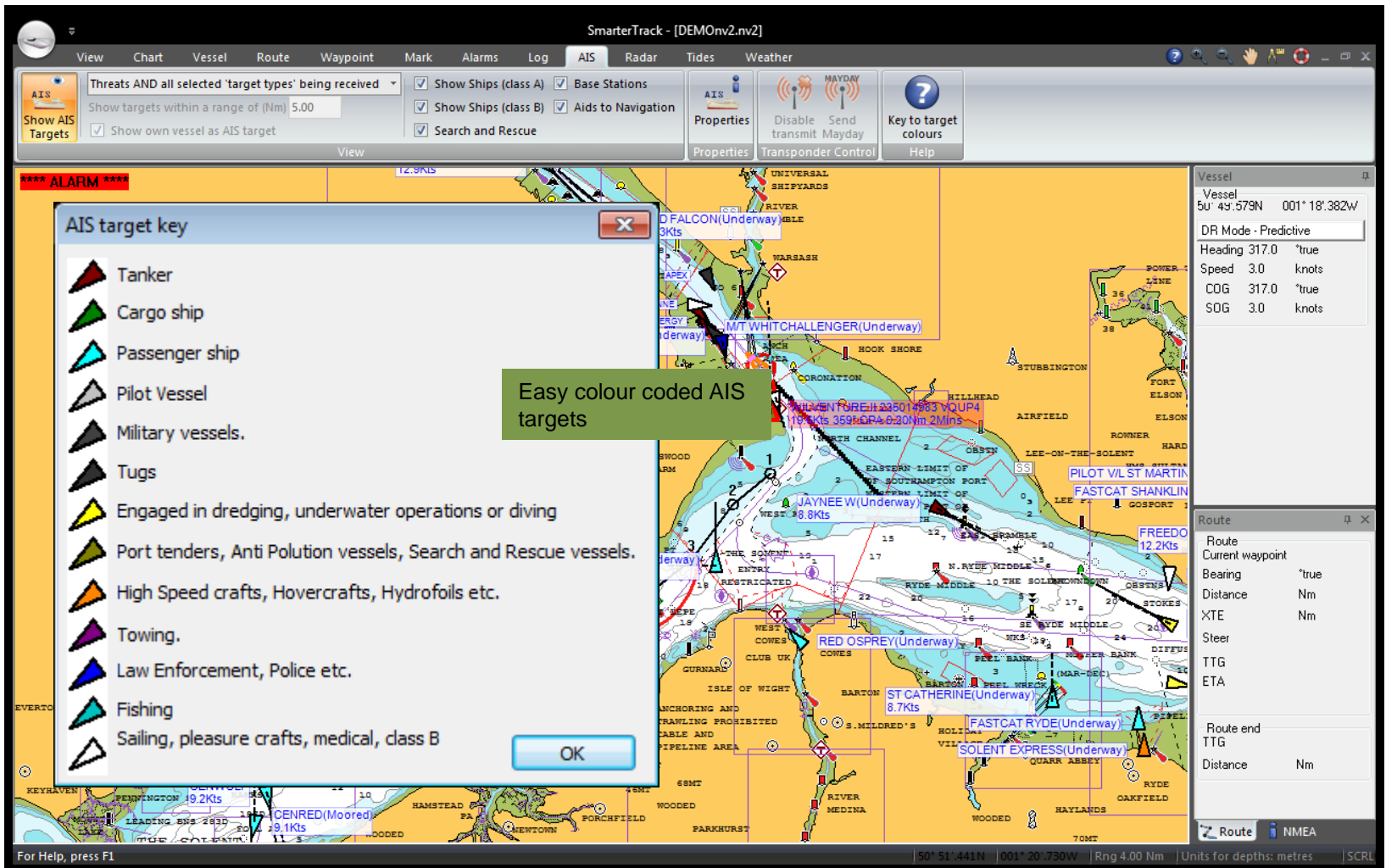
SmarterTrack has been specifically designed to integrate with Digital Yacht's range of AIS products for the best possible AIS target presentation. For a portable solution, utilise uAIS

SMARTERTRACK

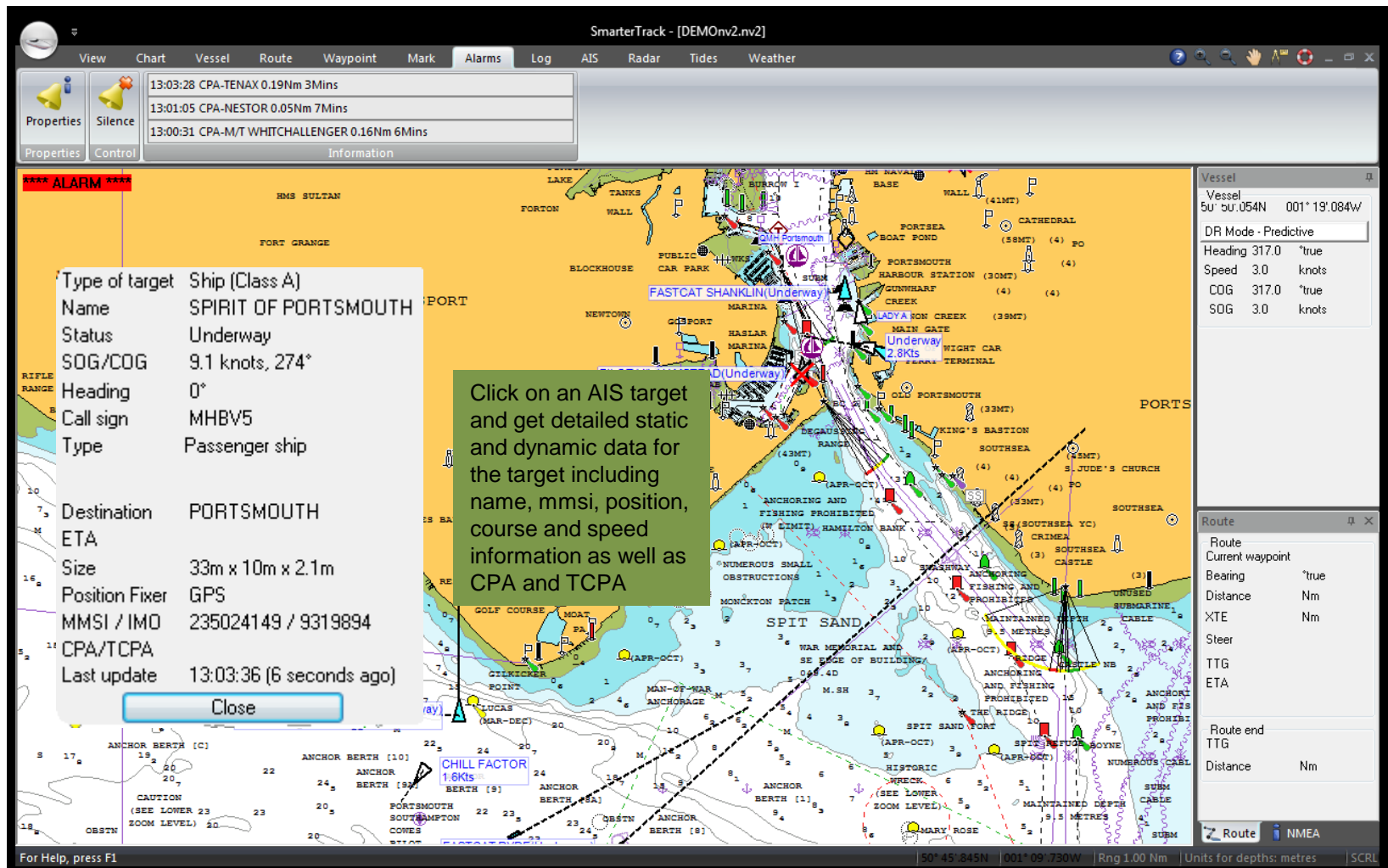
AIS Target Displays

(Requires connection to AIS)

AIS TARGETS – Colour Coding



AIS Target Data



AIS Target Alarms

The screenshot displays the SmarterTrack software interface, specifically the 'Alarms' tab. The main window shows a map of a coastal area with several vessels tracked. A red box labeled 'ALARM' is visible in the top left corner. A green box highlights a vessel labeled 'RED JET 4(Underway)' with a speed of 37.6Kts, indicating it is a dangerous target. A green box also points to a vessel labeled 'JAYNEE W(Underway)' with a speed of 8.7Kts, noting that dangerous AIS targets are highlighted in red for easy identification. A green box further explains that the user can decide on the CPA and TCPA limits they require. The 'AIS properties' dialog box is open, showing settings for 'A MOVING target becomes a threat when ...' and 'A MOORED or STATIONARY target becomes a threat when ...'. The 'Alarm' section is checked, indicating 'CPA/Threat alarm enabled'. The 'Vessel' panel on the right shows details for the selected vessel, including its name, position, heading, speed, COG, and SOG. The 'Route' panel on the right shows the current waypoint, bearing, distance, XTE, steer, TTG, and ETA. The bottom status bar displays coordinates, range, and units.

SmarterTrack - [DEMOv2.nv2]

View Chart Vessel Route Waypoint Mark Alarms Log AIS Radar Tides Weather

12:43:50 CPA-SOUTHAMPTON PATROL 0.19Nm 8Mins
12:40:36 CPA-KITE 0.10Nm 4Mins

Properties Silence Information

**** ALARM ****

RED JET 4(Underway) 37.6Kts

Dangerous AIS targets highlighted in red for easy identification

Decide on the CPA and TCPA limits you require

AIS properties

Show Display - Symbol, Lines, CPA Display - Text CPA/Threats/Alarms Control Vessel specification for AIS

A MOVING target becomes a threat when ...
Closest Point Of Approach (CPA) less than 0.2 Nm
AND Time to Closest Point Of Approach (TCPA) less than 10 Minutes

A MOORED or STATIONARY target becomes a threat when ...
Closest Point Of Approach (CPA) less than 50 meters
AND Time to Closest Point Of Approach (TCPA) less than 5 Minutes

Alarm
☒ CPA/Threat alarm enabled

OK Cancel Apply Help

Vessel
Vessel 50° 49.333N 001° 18' 019W
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

For Help, press F1

50° 42' .627N | 001° 17' .236W | Rng 4.00 Nm | Units for depths: metres | SCRL

AIS Target Selection

The screenshot displays the SmarterTrack - [DEMONv2.nv2] interface. The top menu bar includes View, Chart, Vessel, Route, Waypoint, Mark, Alarms, Log, AIS, Radar, Tides, and Weather. The left sidebar shows a list of alarms with timestamps and descriptions, such as "12:43:50 CPA-SOUTHAMPTON PATROL 0.07Nm 6Mins". The main chart area shows a map of the Southampton area with various vessels and waypoints. A red arrow points to the "RED FALCON(Underway)" vessel. The "AIS properties" dialog box is open, showing the "Display - Symbol, Lines, CPA" tab. The "Show" section has checkboxes for "AIS target display enabled" and "Show own vessel as AIS target". The "Target display rules" section has radio buttons for "Only show targets that are a threat." and "Show threats AND all 'target types' selected below that are being received." The "Target types" section has checkboxes for "Show Ships (Class A)", "Show Ships (Class B)", "Show Search and Rescue (SAR)", "Show Base Stations", "Show Aids to Navigation", and "Show Meteorological and Hydrological". The "OK", "Cancel", "Apply", and "Help" buttons are at the bottom. A green callout box with an arrow pointing to the "Show Ships (Class A)" and "Show Ships (Class B)" checkboxes contains the text: "Choose which AIS targets are displayed. Turn Class A/B targets on/off". The right sidebar shows the "Vessel" properties for "RED FALCON(Underway)" and the "Route" properties for the current route.

SmarterTrack - [DEMONv2.nv2]

View Chart Vessel Route Waypoint Mark Alarms Log AIS Radar Tides Weather

Properties Silence 12:43:50 CPA-SOUTHAMPTON PATROL 0.07Nm 6Mins
12:40:36 CPA-KITE 0.03Nm 20 Secs
12:46:17 CPA-WILVENTURE II removed as a threat at 12:47:16
Information

**** ALARM ****

UNIVERSAL SHIPYARDS
RIVER HAMBLE
DIRDEN FURLIEU
RED FALCON(Underway) 12.5Kts

AIS properties

Show Display - Symbol, Lines, CPA Display - Text CPA/Threats/Alarms Control Vessel specification for AIS

☒ AIS target display enabled ☒ Show own vessel as AIS target

Target display rules

☐ Only show targets that are a threat.
☒ Show threats AND ☒ all "target types" selected below that are being received.
☐ the "target types" selected below, within a range of 5 Nm

"Target types" to show.

☒ Show Ships (Class A) ☒ Show Base Stations
☒ Show Ships (Class B) ☒ Show Aids to Navigation
☒ Show Search and Rescue (SAR) ☒ Show Meteorological and Hydrological

OK Cancel Apply Help

Choose which AIS targets are displayed. Turn Class A/B targets on/off

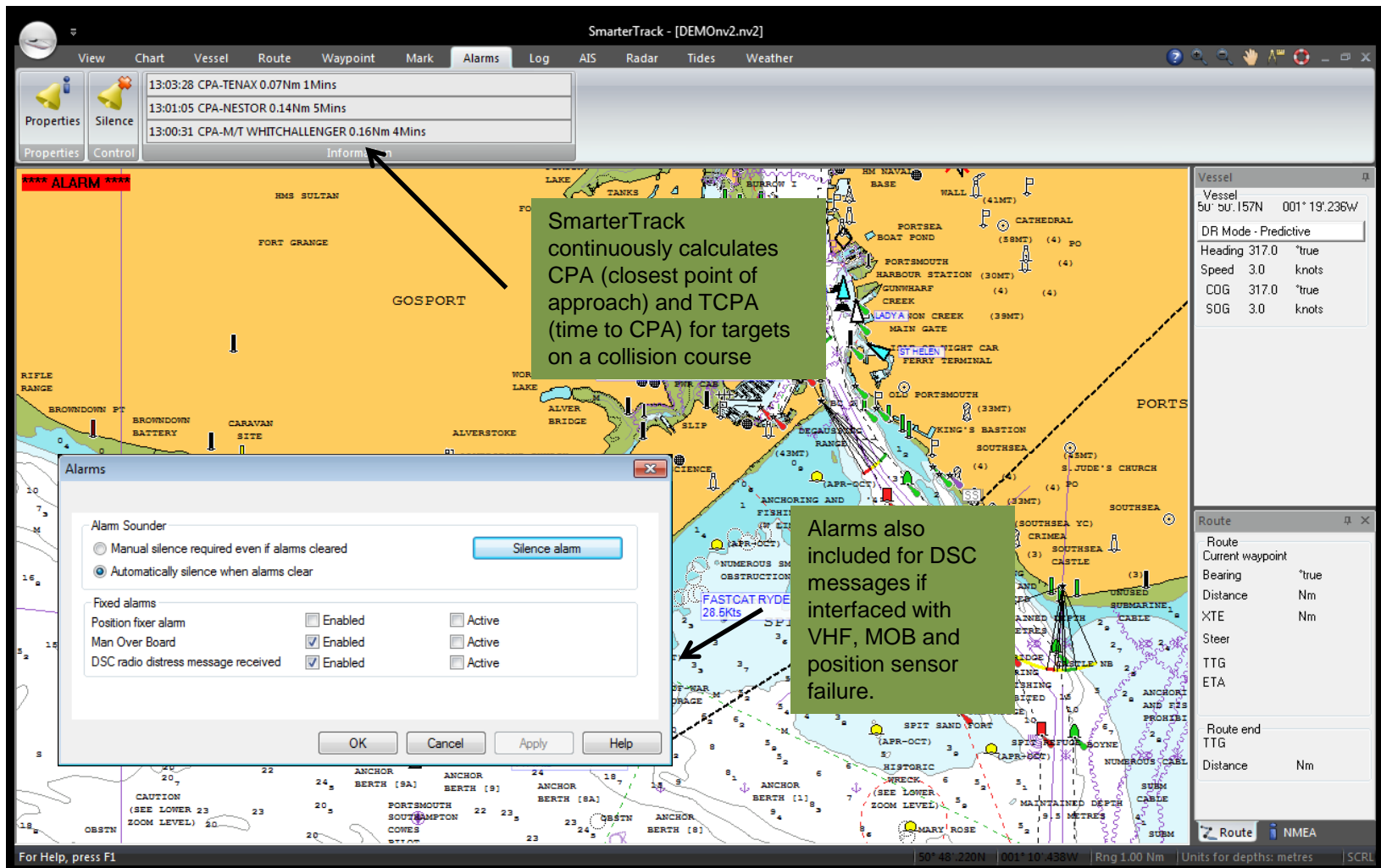
Vessel
Vessel 50° 49.477N 001° 18' 231W
DR Mode - Predictive
Heading 317.0 *true
Speed 3.0 knots
COG 317.0 *true
SOG 3.0 knots

Route
Route Current waypoint
Bearing *true
Distance Nm
XTE Nm
Steer
Route end
Distance Nm

For Help, press F1

50° 52.422N 001° 23.756W Rng 4.00 Nm Units for depths: metres SCRL

ALS Alarm Functions



Interface with Digital Yacht AIS products

The screenshot displays the SmarterTrack software interface, titled "SmarterTrack - [DEMONv2.nv2]". The main menu includes View, Chart, Vessel, Route, Waypoint, Mark, Alarms, Log, AIS, Radar, Tides, and Weather. The AIS menu is currently active, showing options for "Threats AND all selected 'target types' being received", "Show targets within a range of (Nm) 5.00", and checkboxes for "Show Ships (class A)", "Show Ships (class B)", "Base Stations", "Aids to Navigation", "Show own vessel as AIS target", and "Search and Rescue".

A map of the Solent area is shown, with various vessels tracked and labeled. A green callout box with an arrow pointing to the AIS menu states: "Program and take control of any Digital Yacht AIS transponder directly from SmarterTrack's menu".

An "AIS properties" dialog box is open, showing "Transponder specific data". It includes fields for "Status", "Setup", and "Transmitter", all indicating "No supported transponder configured". There are buttons for "Disable Transmitter", "Send switch information to AIS transponder", and "Send MAYDAY".

On the right side, a "Vessel" panel displays details for a selected vessel: "Vessel 50° 49.638N 001° 18.470W", "DR Mode - Predictive", "Heading 317.0 *true", "Speed 3.0 knots", "COG 317.0 *true", and "SOG 3.0 knots". Below this, a "Route" panel shows "Route Current waypoint", "Bearing *true", "Distance Nm", "XTE Nm", "Steer", "TTG", "ETA", "Route end TTG", and "Distance Nm".

At the bottom of the interface, a status bar shows coordinates "50° 52.079N | 001° 18.466W", range "Rng 4.00 Nm", units "Units for depths: metres", and a "SCRL" button.

SMARTERTRACK

On the move – GOTO and routing functions

Basic Vessel Menu

The screenshot displays the SmarterTrack software interface, specifically the Vessel menu. The interface includes a menu bar at the top with options: View, Chart, Vessel, Route, Waypoint, Mark, Alarms, Log, AIS, Radar, Tides, and Weather. Below the menu bar, the Vessel menu is open, showing options: Predictor (checked), Track (checked), Properties, Zoom to vessel, Centre on vessel, and Auto scroll. The main display area shows a map of a coastal region with various geographical features and vessels. Annotations with arrows point to specific elements:

- Course predictor and track can be toggled on/off**: Points to the Predictor and Track checkboxes in the Vessel menu.
- Easy one touch access to centre vessel on chart and zoom to maximum detail**: Points to the Zoom to vessel and Centre on vessel buttons in the Vessel menu.
- Current GPS data shown here**: Points to the Vessel data panel on the right, which displays: Vessel, 50° 47' 315N 001° 15' 926W, DR Mode - Predictive, Heading 317.0 °true, Speed 3.0 knots, COG 317.0 °true, and SOG 3.0 knots.
- Current vessel position with previous track. Note heading line too.**: Points to the vessel icon and its track on the map.
- Track can be stored at user definable increments of time or distance**: Points to the track line on the map.

The map shows various geographical features such as NORTH CHANNEL, EAST KNOLL, SEASCOPE, and BRAMBLE BANK. It also displays various vessels, including CLIFFER (MAR-OCT), AIR CANADA (MAR-OCT), and SEASCOPE (JUL-OCT). The bottom status bar shows coordinates: 50° 47' 303N | 001° 16' 164W | Rng 0.50 Nm | Units for depths: metres | SCRL.

GOTO Function

The screenshot displays the SmarterTrack - [DEMOv2.nv2] interface. The main map shows the Solent area with various waypoints and routes. A green box with an arrow points to a waypoint labeled "DONALD REDFORD (At Anchor)" with a distance of 8.2Kts. Another green box with an arrow points to a "Click to create an instant GOTO" button. A third green box with an arrow points to a "Get instant numeric nav information including course, bearing, XTE and ETA information" button.

Route

Route	
Current waypoint	2
Bearing	291.8 *true
Distance	1.03 Nm
XTE	0.075 Nm
Steer	<<<<
TTG	20 mins
ETA	13:45
	Sunday, January 24 2010
Route end	
TTG	20 mins
Distance	1.03 Nm

Route

Route	
Current waypoint	2
Bearing	294.4 *true
Distance	1.14 Nm
XTE	0.014 Nm
Steer	<<<<
TTG	22 mins
ETA	13:44
	Sunday, January 24 2010
Route end	
TTG	22 mins
Distance	1.14 Nm

For Help, press F1

50°45'141N | 001°20'163W | Rng 2.00 Nm | Units for depths: metres | SCRL

Route Menu

The screenshot displays the SmarterTrack software interface, specifically the Route menu. The menu is located at the top of the window and includes options such as View, Chart, Vessel, Route, Waypoint, Mark, Alarms, Log, AIS, Radar, Tides, and Weather. The Route menu is currently selected, showing a list of actions: Show Route, 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 to next leg, and Advance.

Two green callout boxes provide additional information:

- 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**

The background of the interface shows a map of the Solent area, with various waypoints and routes plotted. The map includes labels for locations such as Humber Energy, Mt Whit Challenor, Fawley, Ashlett, Stanswood Farm, and The Solent. The map also displays depth contours and various navigational markers.

On the right side of the interface, there is a Vessel information panel showing details for the vessel "50° 48.436N 001° 16.696W". The panel includes fields for DR Mode (Predictive), Heading (317.0 true), Speed (3.0 knots), COG (317.0 true), and SOG (3.0 knots). Below this is a Route information panel showing details for the current route, including bearing, distance, XTE, steer, TTG, and ETA.

At the bottom of the interface, there is a status bar displaying coordinates (50° 45.930N 001° 18.807W), range (2.00 Nm), units for depths (metres), and a scale bar (SCRL).

Route Planning

SmarterTrack - [DEMOv2.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 to next leg Advance Active

Route properties

Data Route/plan details Optimum plan Display

Route Name Print Route

Fuel consumption Litres per hour Recalculate Route

Leg	to WP	Latitude	Longitude	Bearing	Distance	Fuel	Leg time (no tides)	Leg time (incl.tides)
1	2	50° 47'.652N	001° 18'.433W					
2	3	50° 45'.187N	001° 21'.803W	220.9°	3.26	108.63	01 hours 05 mins	
3	4	50° 44'.781N	001° 25'.100W	259.0°	2.13	70.84	42 mins	
4	5	50° 43'.360N	001° 28'.717W	238.2°	2.69	89.81	53 mins	
5	6	50° 44'.109N	001° 30'.760W	300.1°	1.49	49.81	29 mins	
6	7	50° 44'.109N	001° 30'.760W	0.0°	0.00	0.00	< 1 sec	
7	8	50° 44'.109N	001° 30'.760W	0.0°	0.00	0.00	< 1 sec	
8	9	50° 44'.734N	001° 30'.784W	358.6°	0.62	20.82	12 mins	
8	9	50° 44'.734N	001° 30'.784W	0.0°	0.00	0.00	< 1 sec	
Totals					10.20	339.91	03 hours 23 mins	
					Nm	Litres	using 3.0 knots	

Plan Start time Speed used knots Create plan

OK Cancel Apply Help

Once your route is created, enter the PLANNING mode to bring up a route properties list. Select OPTIMUM plan for an automatic tidal calculation to give optimum time for departure. This is ideal for cross channel passages.

For Help, press F1

50° 50'.395N | 001° 14'.299W | Rng 4.00 Nm | Units for depths: metres | SCRL

Route Editing

Once a route has been created its easy to edit, add legs and waypoints or reverse when you reach your destination. The display can show route legs in user selectable colours and line thickness

End Route
Add waypoint from waypoint library
Cancel Route
Zoom Out PgUp
Zoom In PgDn
Pan
Close menu and continue

Vessel
Vessel 50° 47.473N 001° 08.114W
DR Mode - Predictive
Heading 317.0 °true
Speed 3.0 knots
COG 317.0 °true
SOG 3.0 knots

Route end TTG Distance Nm

Route NMEA

For Help, press F1 50° 46'.365N 001° 17'.035W Rng 2.00 Nm Units for depths: metres SCRL

Route Optimisation

The screenshot displays the SmarterTrack software interface with a map of the English Channel. A 'Route properties' dialog box is open, showing details for a route named 'Cross Channel Leg'. The dialog includes tabs for 'Data', 'Route/plan details', 'Optimum plan', and 'Display'. The 'Route/plan details' tab is active, showing a table of departure times, elapsed times, and arrival times for the route. A green text box highlights the software's ability to calculate optimum departure times based on tidal flow. The background map shows the coastline of England and France, with various locations labeled. The software interface includes a menu bar at the top with options like View, Chart, Vessel, Route, Waypoint, Mark, Alarms, Log, AIS, Radar, Tides, and Weather. A toolbar below the menu bar contains icons for various functions such as Show Plan, Properties, Create Route, Go To, Load from disk, Save to disk, Append, Extend Route, Delete, Reverse, Copy route points to waypoint library, Activate current route, Back to previous leg to next leg, and Advance. The status bar at the bottom shows coordinates, range, and units.

SmarterTrack - [5G392XL.nv2]

View Chart Vessel Route Waypoint Mark Alarms Log AIS Radar Tides Weather

Show Plan Show Route Properties Create Route Go To Load from disk Save to disk Append Load from cartridge Save to cartridge Print route Load from mobile device Save to mobile device Edit Extend Route Delete Reverse Copy route points to waypoint library Activate current route Back to previous leg to next leg Advance

Route properties

Data Route/plan details Optimum plan Display

General

Route name Cross Channel Leg

Route Active ☐ No of legs 1 Total route distance 57.91 Nm

Setup

Start date 27 1 2010 Vessel speed to use 3.5 knots

Calculate plan Status COMPLETE Set to current date

Tidal data OK

Best	Time	Elapsed time	Arrival time
	7:00	19 hours 06 mins	02:06 Thursday, January 28, 2010
	8:00	19 hours 20 mins	03:20 Thursday, January 28, 2010
	9:00	18 hours 44 mins	03:44 Thursday, January 28, 2010
	10:00	18 hours 52 mins	04:52 Thursday, January 28, 2010
	11:00	18 hours 44 mins	05:44 Thursday, January 28, 2010
****	12:00	18 hours 00 mins	06:00 Thursday, January 28, 2010
	13:00	19 hours 04 mins	08:04 Thursday, January 28, 2010
	14:00	19 hours 32 mins	09:32 Thursday, January 28, 2010
	15:00	20 hours 16 mins	11:16 Thursday, January 28, 2010
	16:00	19 hours 24 mins	11:24 Thursday, January 28, 2010
	17:00	19 hours 20 mins	12:20 Thursday, January 28, 2010
	18:00	19 hours 04 mins	13:04 Thursday, January 28, 2010

OK Cancel Apply Help

In tidal waters (especially useful when crossing the channel), SmarterTrack will calculate the optimum time for departure based on you traversing a tidal flow.

Vessel

Vessel 50° 51' 312N 001° 08' 079W

NO NMEA

Heading 0.0 true

Route

Route Current waypoint

Bearing true

Distance Nm

XTE Nm

Steer

TTG

ETA

Route end

TTG

Distance Nm

Route NMEA

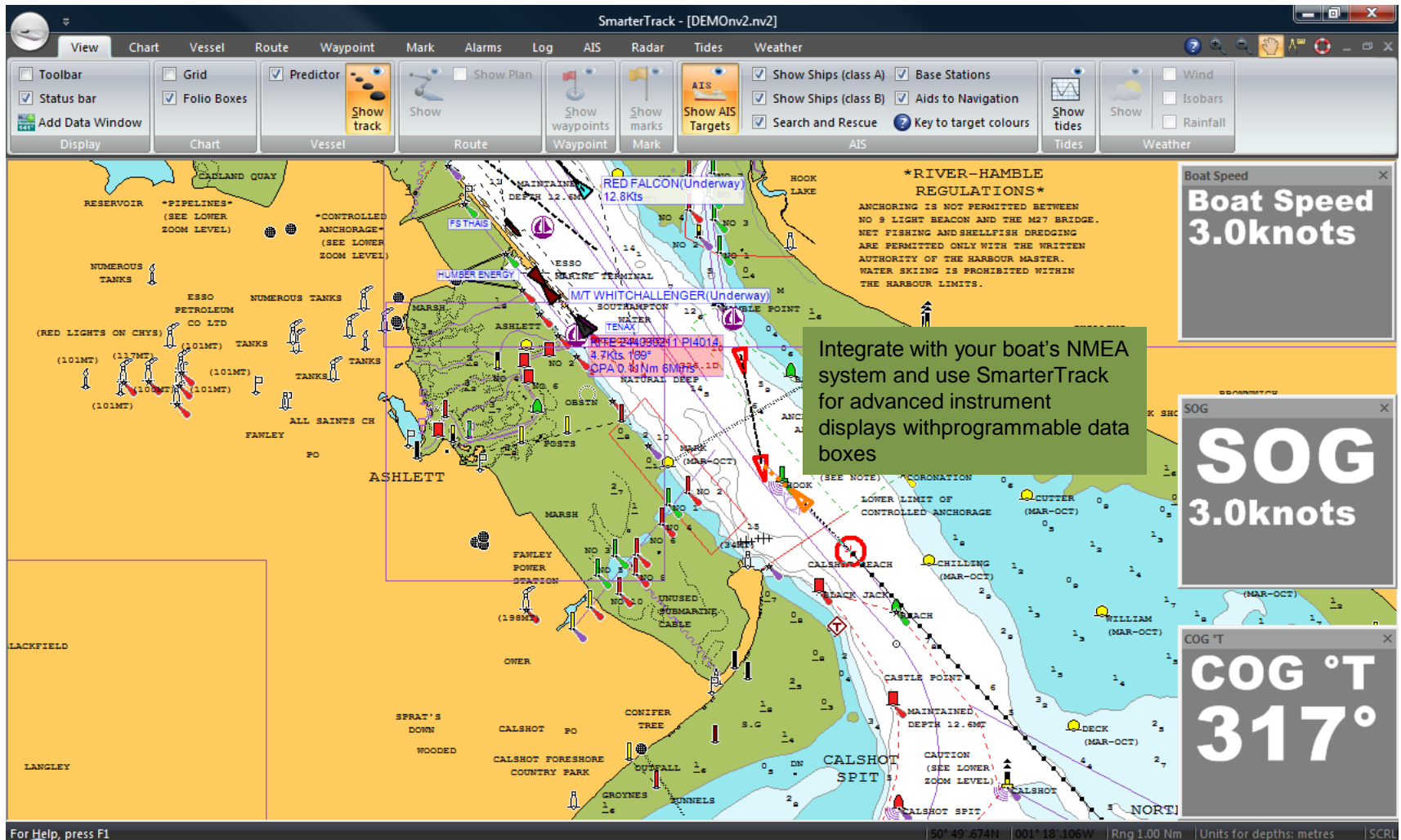
For Help, press F1

51° 29' 629N 003° 18' 438W Rng 64.0 Nm Units for depths: metres

SMARTERTRACK

Advanced Features

Instrument Displays

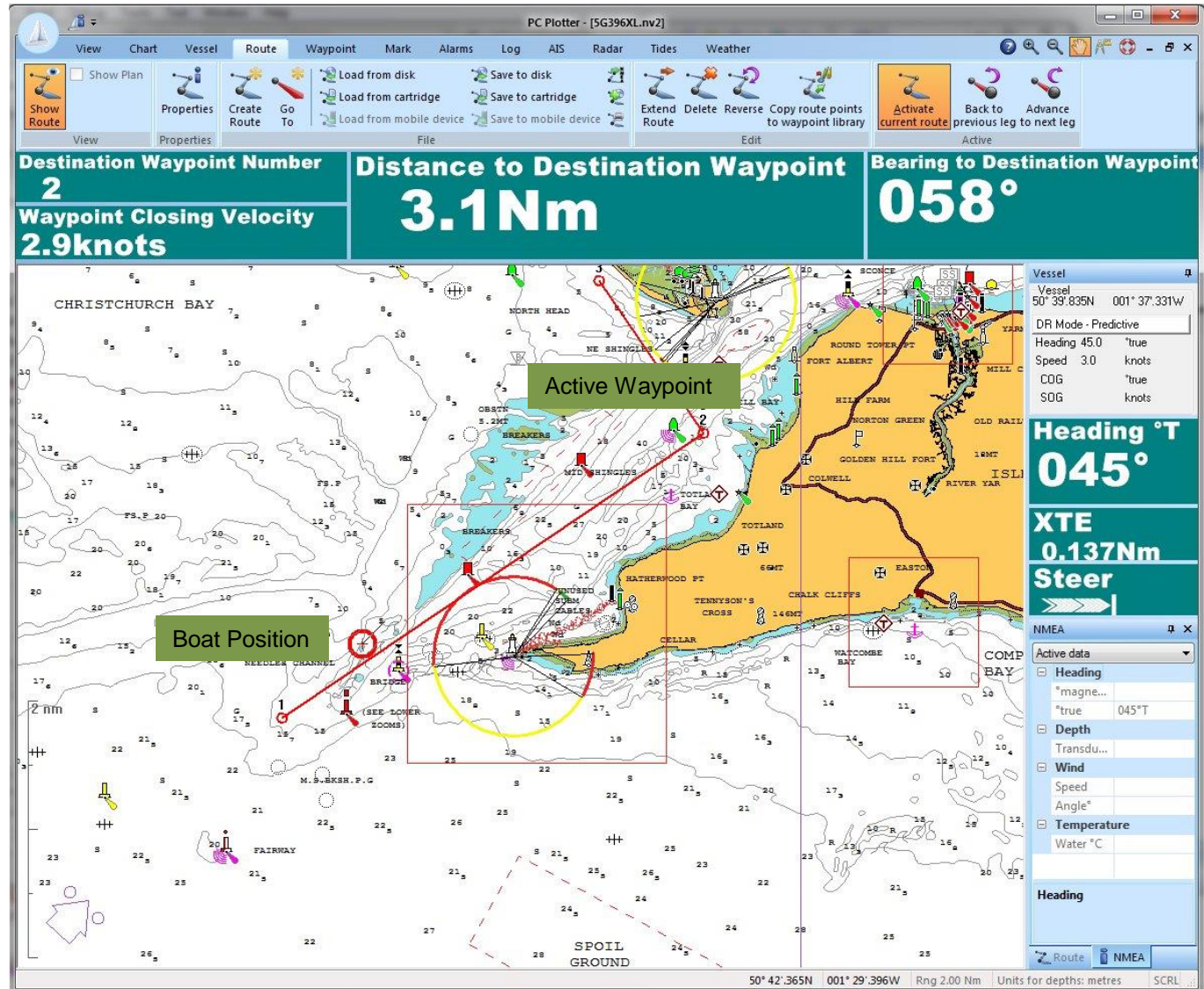


Data Windows

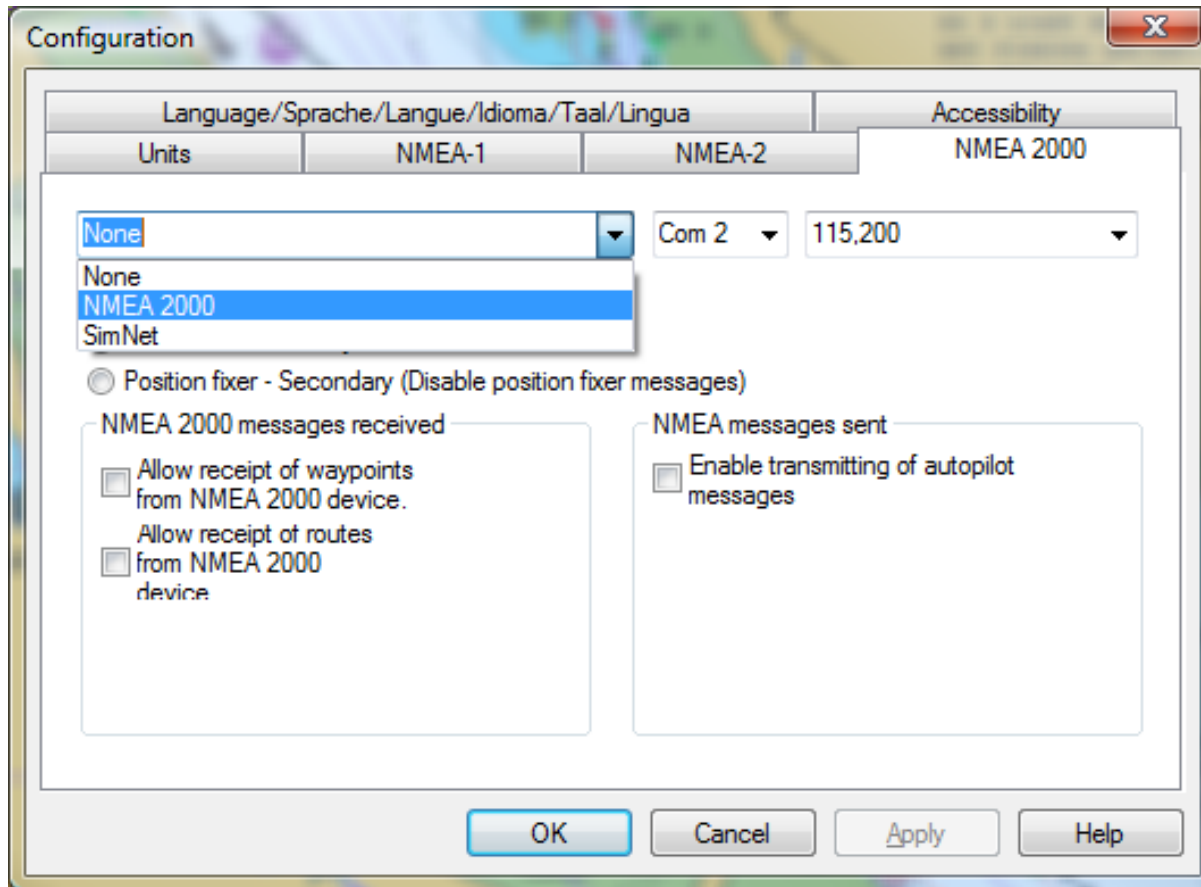
Data windows allows full customisation of the display with numeric, graphic and charting data laid out in a format to suit your needs. Colours and fonts can also be applied for the best in graphic representation.

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 can be set as a small or large boat or simple circle. A heading vector can also be added

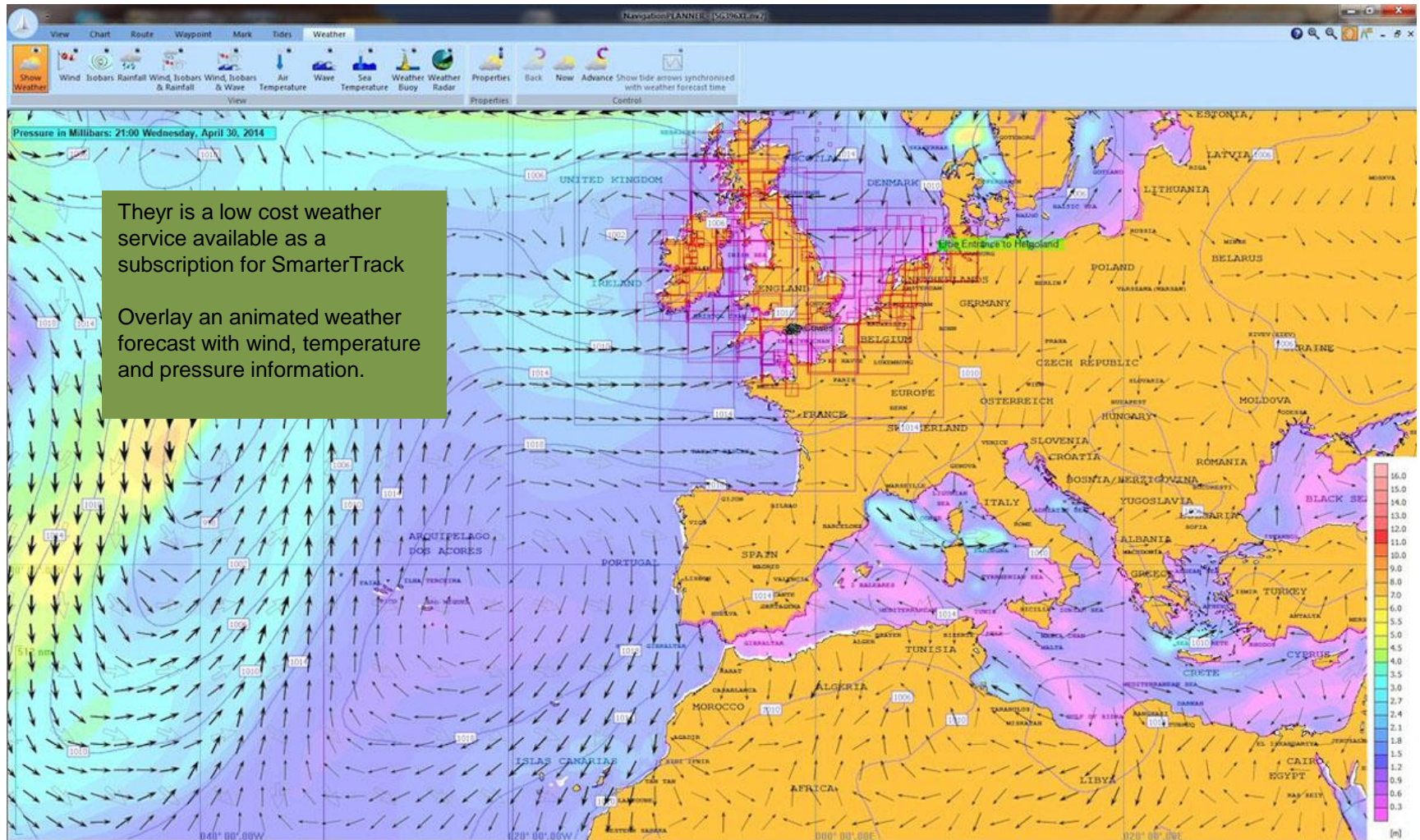


NMEA 2000 Integration



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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