

My *BlueTraker*®

Web application for
fleet monitoring and
fleet management
user manual

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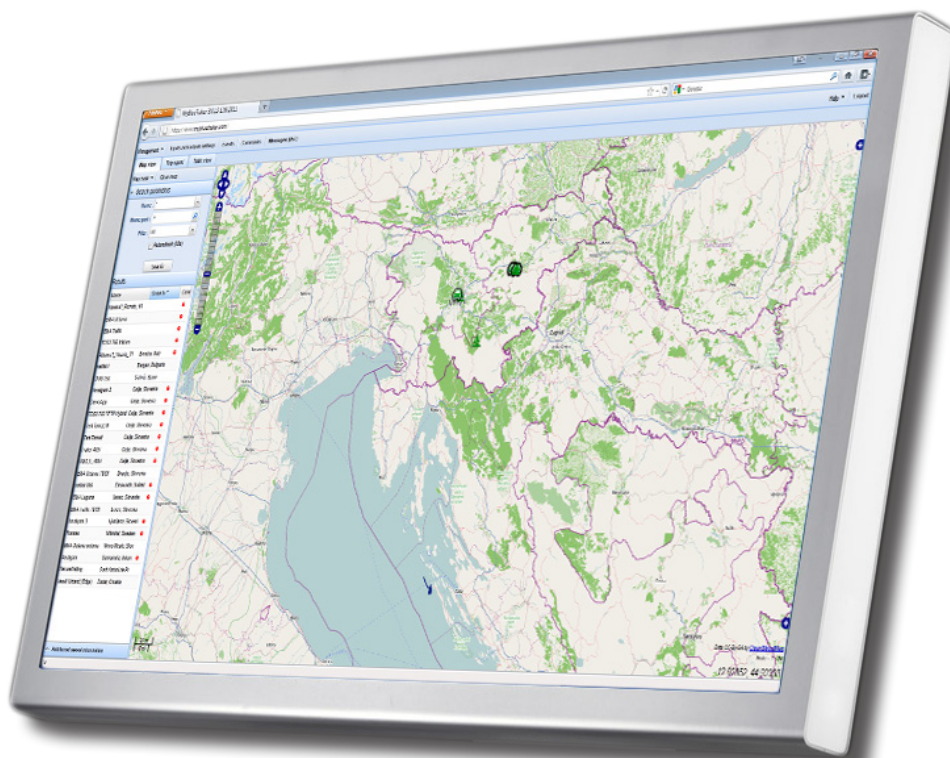
BlueTraker devices are not designed for use in life support appliances, devices, or systems where malfunction of this product or related accessories can reasonably be expected to result in personal injury or loss of life.

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MyBlueTraker Application

MyBlueTraker is a web application used for fleet monitoring and fleet management. Assets that are tracked must be equipped with BlueTraker devices. BlueTraker is a telematic device that uses satellite navigation system (GPS) to determine vessel position anywhere on the globe.

MyBlueTraker is used for real-time asset tracking as well as for history review of asset activity. Along with geographic position other data including asset speed, course, sensor state, triggered alarms and events are recorder and can be reviewed. With each event exact position and time can be easily determined thus allowing for quick intervention on an asset should the need arise.

All data can be viewed on various map, satellite and hybrid views. MyBlueTraker was primarily designed to track marine assets (vessels) but can also be used in so-called 'land-mode' to track land vehicles. The rest of this manual assumes marine assets, although some examples and figures may show land vehicles. There is no difference in operation in land or sea mode except where noted. We will use vessel as a general asset type for the rest of this document.

MyBlueTraker requirements

To obtain best results please consider following requirements:

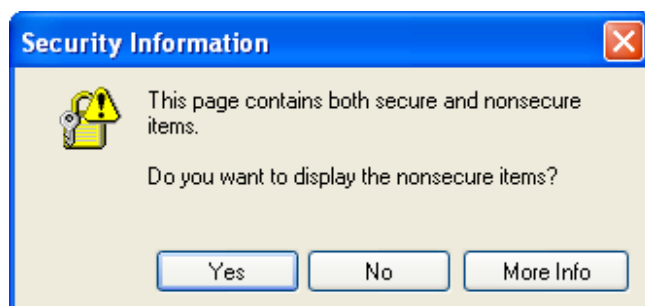
- Pentium 4 or equivalent processor
- 1024dž"768 monitor resolution.
- High speed internet connection.
- Mozilla Firefox (3.x or higher), Internet Explorer (7.x or higher) or latest Google Chrome. Internet Explorer 9.x and Firefox 4.x were not tested extensively but should work correctly.

Login

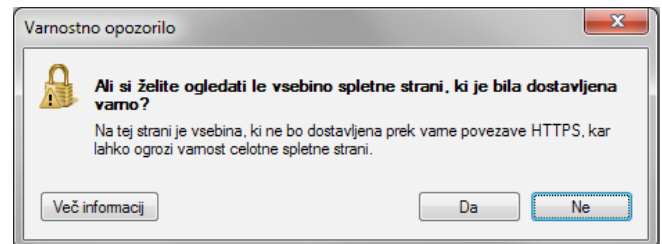
Point your browser to <http://www.bluetraker.com>, and click „Client Login“. Alternatively, you may go directly to <https://www.mybluetraker.com>.

If you are using Internet Explorer a security warning about mixed content will appear (in your local language).

In case of Internet Explorer 7.0 click „YES“:

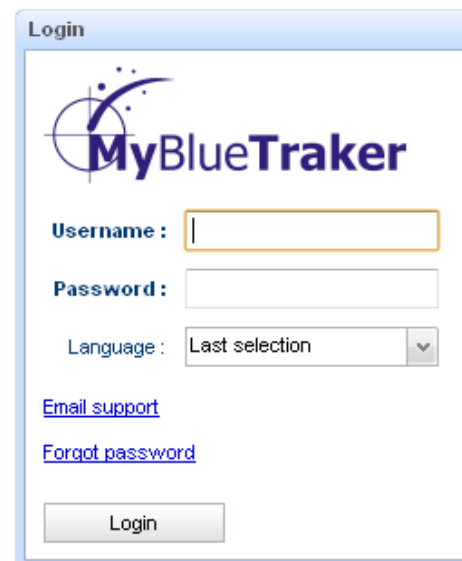


If you are using Internet Explorer 8.0 click „No“:



The only nonsecure data that is transmitted is the map images that are downloaded from a public server. All the private data such as vessel information etc. is encrypted and transmitted over HTTPS.

After a short loading period a login window will be displayed. Enter username and password, select a language and click „Login“.



Lost password

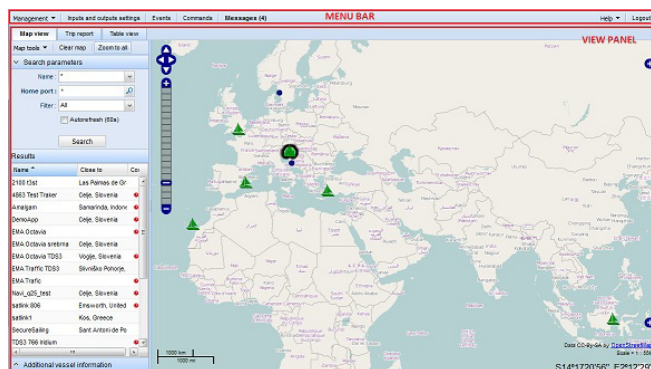
In case you have lost your password use „Forgot password“ link. Enter your username and we will contact you on the email address that you have used when registering. You can also send us an email by using the „Email support“ link.

Application layout

MyBlueTraker is divided into two main parts.

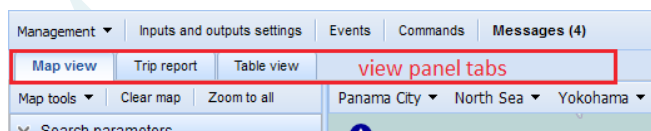
Menu bar is located on top of the window and is used to access common functions like vessel management, event and command history etc.

The rest of the screen is used for view panel where data is displayed on map (as shown) or in tabular forms. Note: due to privacy reasons some fields may be blurred in this manual.



Basic navigation

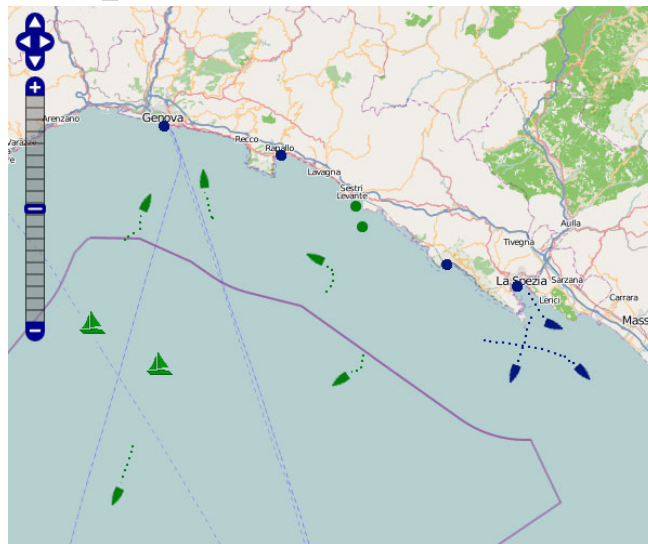
Switch between three main view modes by selecting tabs in the view panel.



Default map view provides a quick overview of the fleet. Last recorded position of each vessel is shown on the map and all the vessels are listed in the left quick search panel.

Trip report and Tab view are used to present data in tabular format.

Map View



Map icons denote different types of vessels and optionally direction of travel:

	General vessel, no subtype, does not show direction of travel
	Sailing boat, showing direction of travel or boat not moving
	Power boat, shows direction of travel or boat not moving
	General vehicle, no subtype, does not show direction of travel

Use left mouse drag to move the map and mouse wheel to zoom. You can also use move and zoom controls in the left upper part of the map display.

If you hover the mouse pointer over the icon a tooltip with vessel name will appear.

Geographical coordinates of the mouse pointer are shown in the right bottom corner of the map display.

Quick Search Panel

Map tools ▾ | Clear map | Zoom to all

▼ Search parameters

Name : * ▾

Home port : * 🔍

Filter : All ▾

☐ Autorefresh (60s)

Search

Results

Name ▲	Close to	Conn
satlink 806	Emsworth, United	●
satlink1	Kos, Greece	
SecureSailing	Sant Antoni de Po	
TDS3 766 Iridium		●
TDS3 783 TFTP Hybrid	Celje, Slovenia	●
Test 4877	Celje, Slovenia	
Test Tomaz III	Celje, Slovenia	●
Test Tomaž	Celje, Slovenia	●
test_nap	Celje, Slovenia	
Traker 4897	Celje, Slovenia	●
Transas	Mölnadal, Sweden	●
Veseli Urbanč (Edge)	Šibenik, Croatia	

Vertical panel on the left lists all the vessels in the fleet.

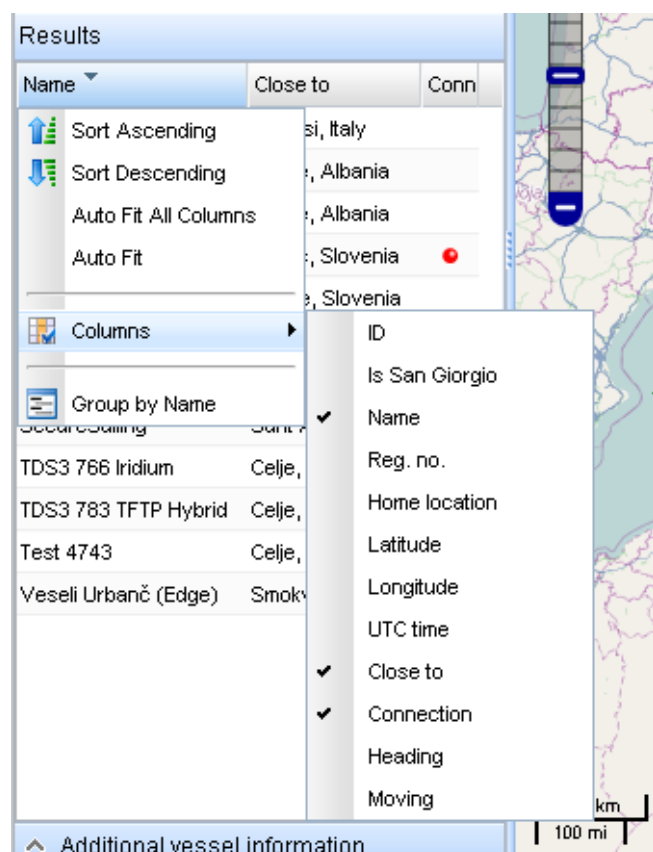
Vessel name and location (if known) of each vessel are shown.

Third column (Connection) shows the communication status of each vessel. A red light ● indicates communication failure. No messages were received within last 24 hours. By hovering a mouse over the indicator a pop-up will show how long the vessel is offline.

You can limit the displayed vessels by changing the search parameters and clicking . Only vessels matching your search criteria will be show. Use * as wildcard character.

Check „Autorefresh“ to automatically update the display as new messages arrive from vessels. When autorefresh is selected you will also be alerted about [new messages](#) or [DSC / tamper alarms](#) as they arrive.

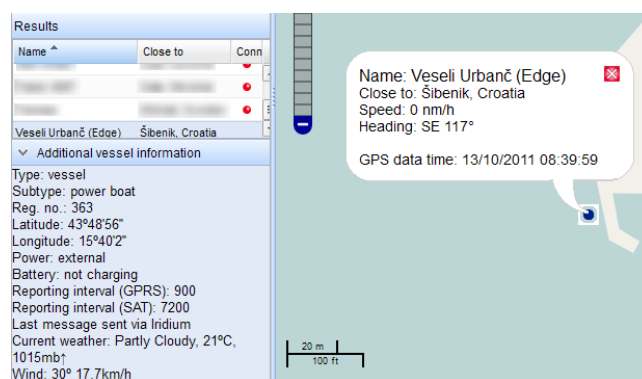
Column Customization



Selecting vessels and checking current vessel information

Select vessels with single left click on the map icon or on the vessel row in the quick search panel.

Map icon will change to  or a white border will be drawn around the icon . Vessel row will also be highlighted. A map pop-up balloon will show current vessel details.



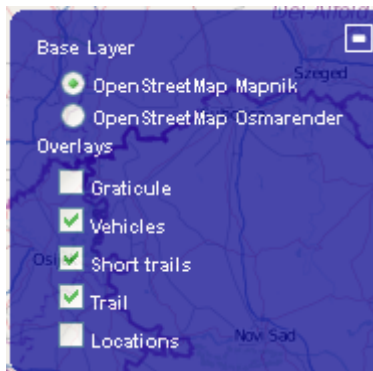
Additional vessel information

When a vessel is selected additional data is shown in the bottom of the quick search panel. This gives you vessel details such as type and subtype, accurate geographical location, BlueTraker power status and battery charging status. Depending on settings and vessel type additional information may be present.

Note: weather data is for information purpose only!

Hiding and showing map display elements

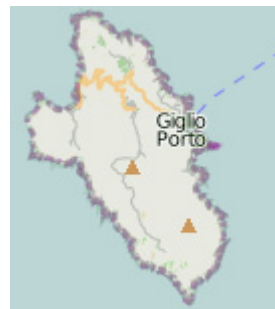
Click on the pop-out button  in the upper right of the map to display the layers pop-out.



Base Layer

Use Base Layer to switch underlying map types.

Currently only OpenStreetMap Mapnik and Osmarender are supported. Both maps show exactly the same information. Additional map types may be included in the future.



Mapnik



Osmarender

Overlays

Overlays switch on and off various non map elements.

Graticule

Graticule is grid of longitude / latitude lines on the map used to quickly estimate a position. Graticule is redrawn at each zoom level.

Vessels

Use this option to show or hide all vessels or vehicles.

Short trails

Short routes or „motion trails“ show recently traveled route as a tail, trailing behind each vessel. Short routes are very handy for predicting vessel movement and determining vessel speed at a glance.

Trail

Hide or show vessel trail that was drawn using „Show trail“ command.

Locations

Locations are polygonal areas of the map that users can define and use in various ways. Refer to „Location management“ for detailed description.

OpenSeaMap

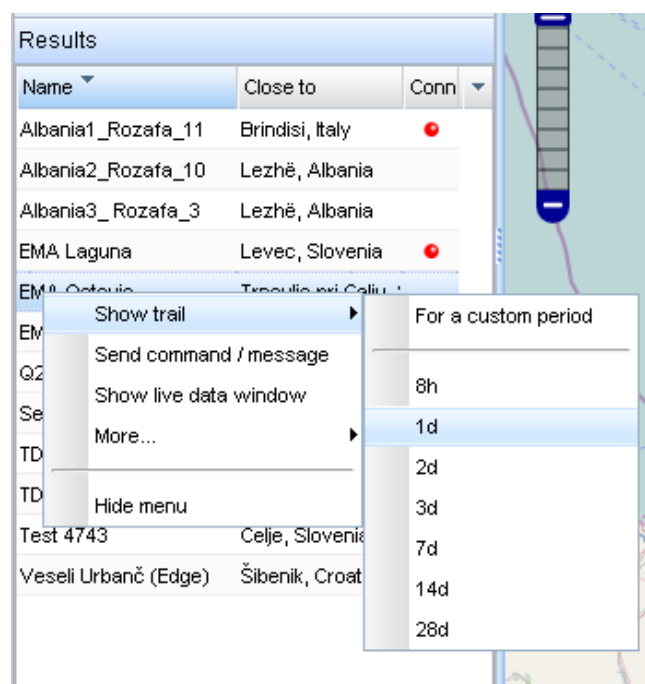
Sea mode only. OpenSeaMap transparent layer is enabled by default.

Mini map

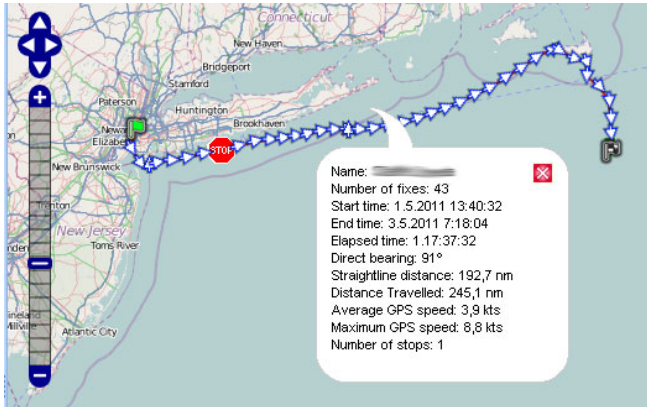
Optional mini-map can be displayed by clicking on a mini-map popout button  in the lower right corner.

Displaying and reviewing vessel trails

You can quickly review vessel movement. Right click on the vessel in the quick search panel. A context menu will open.



Choose „Show trail“ and then select desired time span from 8 hours to 28 days. A route traveled will be shown in red. Green flag  marks the starting point while checkered flag  marks the ending point. Arrows  indicate the direction of travel and stop signs  show the locations where the vessel stopped.



A pop-up balloon will show details about the traveled route.

Trail drawing for other periods

If you need to draw a trail for other than predefined periods, use „For a custom period“ option. Enter start time and end time and click OK.

The 'Show trail' dialog box has a title bar with a close button (X). It contains two input fields with date and time pickers:

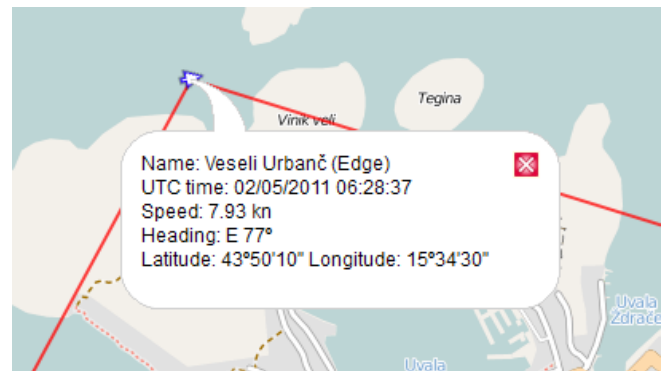
- From(UTC) :** 03/05/2011 08:51
- To(UTC) :** 03/05/2011 09:51

At the bottom, there are two buttons: **OK** and **Cancel**.

Trail will be shown as before. This option is very useful for checking the movement history.

Trail details

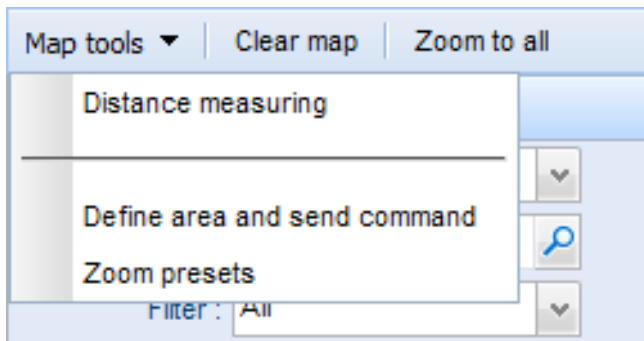
If you click on the trail arrow marker a balloon pop-up will appear showing details. Time, location as well as speed and heading recorded at that time will be shown. Stop signs indicate locations where vessel has stopped.



Note that only one trail can be shown at any time.

Map Tools

Several tools to enhance your workflow are also provided. These include clearing the map display, tool for measuring distances, zoom presets, live data window and sending commands to vessels in an area.



Clearing the map display

If the map display gets over cluttered with trails, markers and info pop-ups press „Clear map“ at the top of the Quick Search Bar. This will clear the map display. Note that some popups must be closed explicitly.

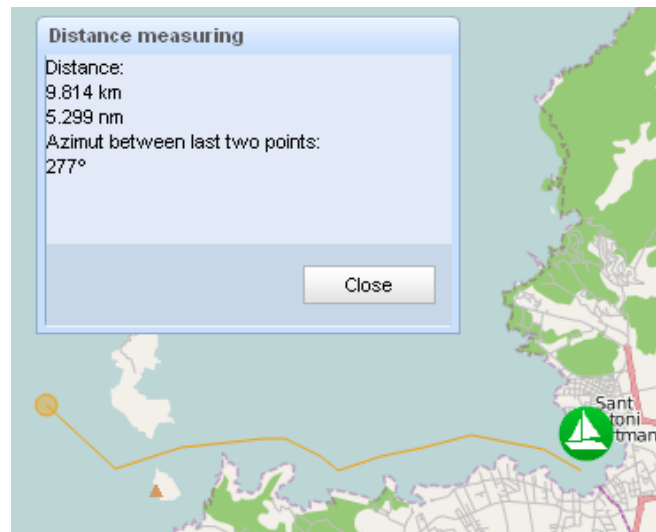
Zoom to all

Use „Zoom to all“ to show all devices on the map.

Distance measuring

Use „Distance measuring“ tool from Maptools menu to measure distances and azimuths along a poly-line. Click point for point to measure the distance along the drawn poly-line. End the drawing by double-clicking the last point.

By default the „Distance measuring“ floating window will be positioned in the left upper corner of the browser window. Like all floating windows you can reposition it by dragging it by the title bar.

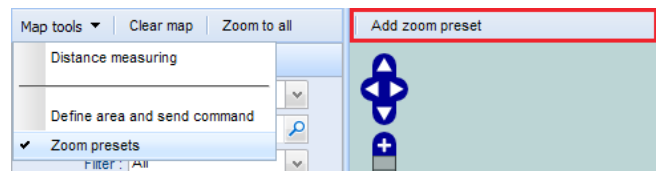


Define area and send command

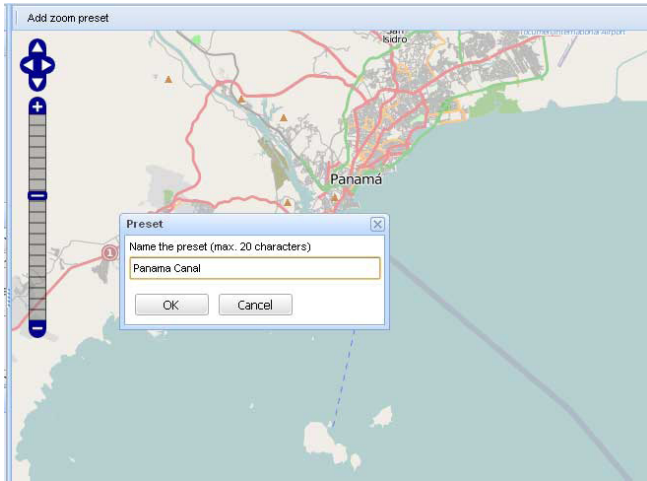
This tool is used to send commands to multiple vessels selected on the map. Refer to [commands chapter](#) for further details.

Zoom presets

Dragging and zooming the map can quickly become cumbersome, especially if you only switch between a few positions all the time. You can use „Zoom presets“ to help you quickly navigate between four pre-set map positions. Use „Zoom presets“ from Map tools menu to show or hide zoom presets toolbar.

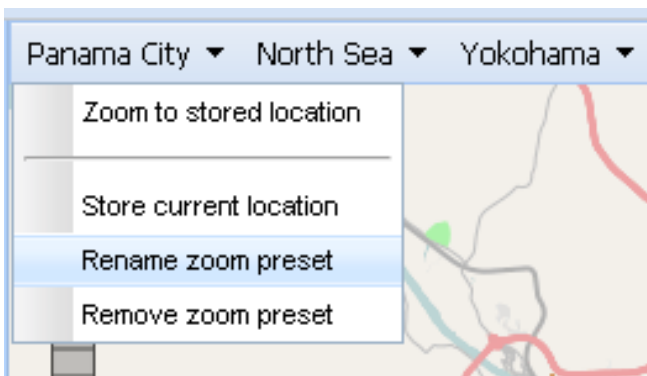


At first, the four zoom presets are undefined. Drag and zoom the map display do desired location and zoom level, like Panama Canal in the example. Click on one of the „Add zoom preset“ button in the zoom presets toolbar. Enter the preset name and click OK to save:



Once a zoom preset is saved you can quickly move and zoom the map by clicking on the preset button.

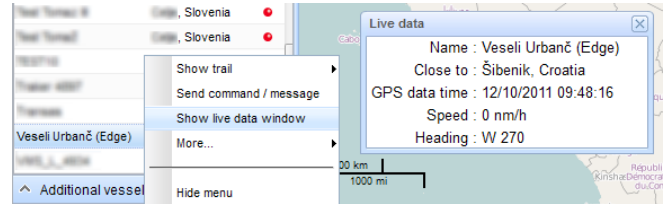
To change an existing preset first move the map to new desired position and then click on the drop-down arrow next to the zoom preset. Click „Store current location“ and enter new name to save. Also use this menu to rename and remove a zoom preset.



Live data window

Use the live data window to constantly monitor progress of a vessel without any user intervention.

First enable autorefresh and then open a live data window by right clicking on a vessel row in the quick search panel and selecting „Show live data window“.

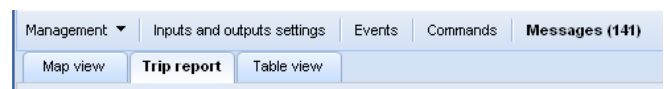


A small window will pop up that shows basic vessel information. This window is updated automatically if you enable autorefresh.

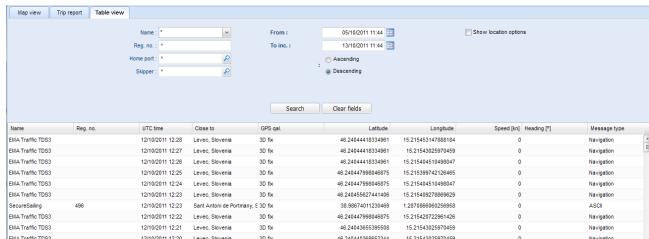
Trip report

Trip report is a powerful tool for analyzing vessel movement through time. Trip report is closely connected with route drawing but instead of graphical representation of the travel it condenses information into tabular form. Trip report shows locations where the vessel has stopped, how long each stop has lasted, duration of travel, distances and average speeds between stops and other information.

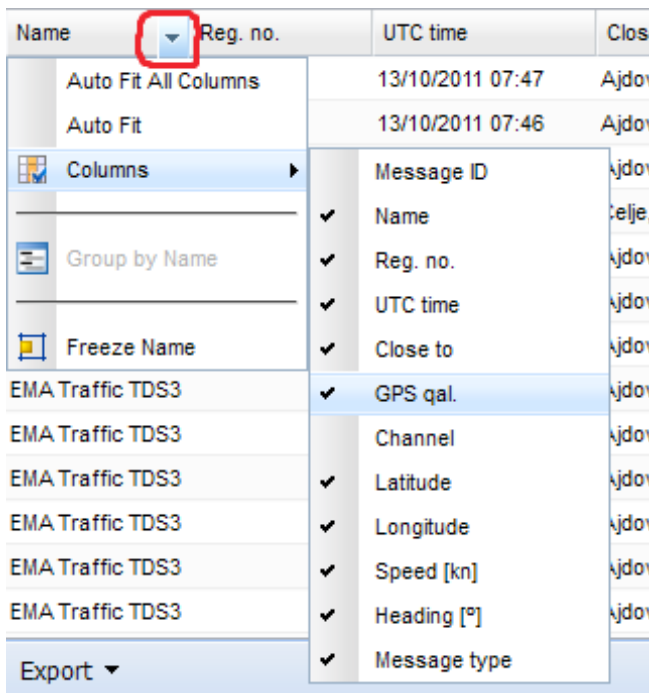
Access trip report by selecting „Trip report“ tab from the view panel tabs



You can narrow down the results by specifying search parameters and clicking „Search“.



As with other grid displays you can customize the columns by accessing the columns menu.



Note that complicated searches may take a few seconds to execute.

Table view data export

Exporting tabular data from MyBlueTraker can be used to perform off-line analysis of data and other processing.

Click „Export“ in the lower left of the table view. Select CSV for comma separated file or XLS (Excel) for Microsoft Excel compatible XML data format.

All columns are exported, regardless if they are shown in table view or not.

Events and alerts

Trakers report their position by sending regular (scheduled) position messages. Special conditions can trigger sending of unscheduled messages. Once such message arrives it is treated differently than usual navigation messages and generates an event or alert in MyBlueTraker.

Also when certain conditions are met, events and alerts are generated inside MyBlueTraker, without messages from Trakers.

Both events and alerts signify exceptional conditions but are treated somewhat differently:

- Event - something has happened and user will be informed
- Alert - something has happened and immediate user reaction is required

DSC - Distress Selective Call (alert)

DSC is a private extension to Digital Selective Calling Distress Call. Unlike VHF/HF radio that informs naval authorities of vessel in distress, MyBlueTraker DSC only informs fleet operator, charter manager or vessel owner. DSC can be used when vessel is not in a life-threatening situation but some assistance may be required. There are several types of DSC events:

- DSC activated - DSC button was pressed, alarm started
- DSC recurring - message sent every 10 minutes until DSC is deactivated
- DSC de-activated - DSC button was pressed

again, alarm deactivated

- DSC shorted line - DSC button short circuit
- DSC open line - connection with DSC button lost

DSC is activated by pressing a on-board button that is connected to the BlueTraker.

Tamper sensor (alarm)

Some BlueTraker devices are equipped with tamper sensor that detects case opening and raises an alarm in this case.

- Tamper alarm start - case was opened
- Tamper alarm stop - case was closed

Power status (event)

When external power is lost, BlueTraker operates on internal backup battery. Every power loss is signaled to MyBlueTraker and this is shown as „Power lost“ event. Once external power is established again, „Power regained“ message is sent.

Zone entry or exit (Event)

MyBlueTraker monitors incoming position messages and determines when a vessel has entered or exited a location. Zone entry or exit events are generated in this case.

DSC Alerts pop-up

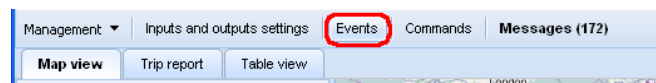
If you have active DSC or tamper alerts when you log-in, DSC/tamper window will pop up for each alert.

Vessel name and event time will be shown. Click on „Show location on map“ to place a marker on the map. You can close this window only by entering a response and clicking „Save“.

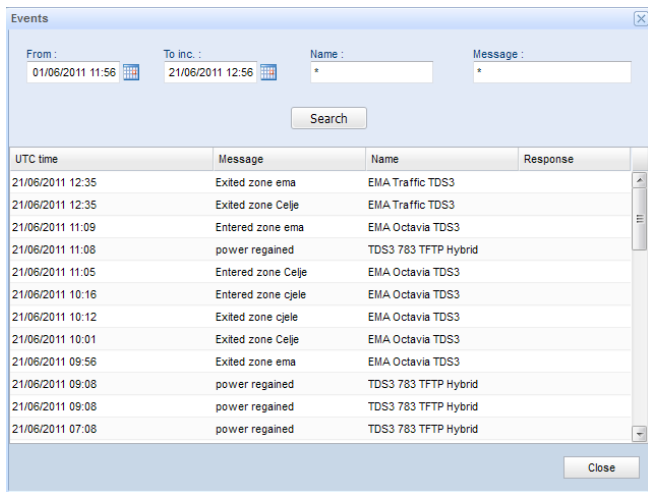
If there are multiple DSC/tamper alerts from the same vessel you can close them all by clicking on „Dismiss all for this traker“. Use caution when closing multiple events.

Events window

Use events window to access events and alerts history.



This window shows time, event message, vessel name and event response. Use search fields to narrow down the range of displayed events and alerts.



As with other searches, complicated search parameters may require a few seconds to execute.

Event types

Entered zone	Vessel has entered a location / zone.
Exited zone	Vessel has exited a location / zone.
Power lost	BlueTraker has lost external power and is now operating on internal battery.
Power regained	BlueTraker has regained external power.
DSC activated	DSC button was pressed to start the alarm.
DSC deactivated	DSC button was pressed again to deactivate the alarm.
DSC recurring	Automatic message sent every 10 minutes until alarm is deactivated.
DSC shorted line	There is a short circuit in the DSC line. Usually indicates wiring problems.
DSC open line	Connection with the DSC button lost. Usually indicates wiring problems.

Tamper alarm start	BlueTraker case was opened.
Tamper alarm stop	BlueTraker case was closed.

Commands and two way communication

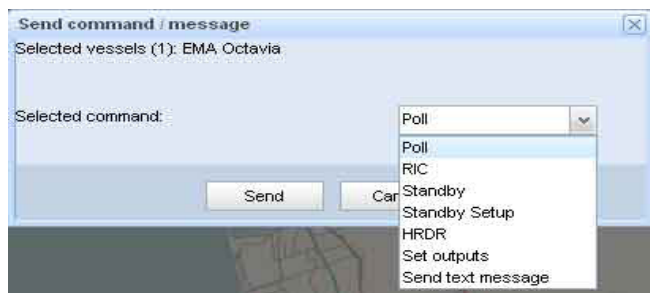
Advanced users can not only monitor vessels but can also query and remotely configure BlueTrakes. Commands are sent to BlueTrakers that execute them and finally report them executed.

Sending commands to BlueTrakers

Use right click context menu in quick search panel to send commands to BlueTrakers.

Results		
Name ▾	Close to	Conn
2100 t3st	Vilanova i la Geltru	
Albania1_Rozafa_11	Brindisi, Italy	●
Albania2_Rozafa_10	Lezhë, Albania	●
Albania3_Rozafa_3	Lezhë, Albania	
EMA Laguna	Levec, Slovenia	●
EMA Octavia	Salek, Slovenia	
EMA Traf		
Q2.5 Rev		●
Q2.5 Rev		●
satlink 80		●
satlink1		
SecureSailing	San Antonio de Po	
TDS3 766 Iridium	Celje, Slovenia	

Select a command from the commands dialogue.



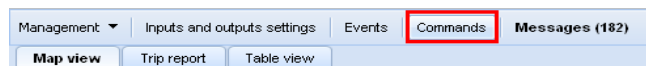
Currently following commands are supported:

- [Poll](#)
- [RIC](#)
- [Standby](#)
- [Standby setup](#)
- [HRDR](#)
- [Set outputs](#)
- [Send text message](#)

Bottom part of the command dialog changes with the selected command.

Command sequence and execution status

Use Commands menu to check command history and execution status.



After clicking send commands are first prepared and entered in the outgoing queue. No user intervention is required beyond this step. MyBlueTraker will then automatically forward the command to the required device. Command status will be set to ,sent'.

Command information			
From (UTC): 06/05/2011 11:44	To (UTC): 13/05/2011 11:44	Name: "Veseli"	Command: *
Search			
Send time	Name	Command	Status
13/05/2011 09:12	Veseli Urbanč (Edge)	Poll	sent

Once the command has been executed and BlueTraker has reported back execution status will be updated to ,executed' or ,error'.

Use search filed to narrow down your selection. Complicated searches may take a while to execute.

Commands

Poll

Polling is used to obtain immediate position reports. When BlueTraker receives poll command immediately responds with a navigation message and does not wait for next scheduled position report.

Poll has no parameters, just click „Send“.

RIC - Reporting Interval Change

BlueTraker sends position reports at regular scheduled intervals depending on the communication channel available. You can change predefined intervals for GPRS and satellite channels by issuing RIC command.

The screenshot shows the 'Send command / message' dialog box. The 'Selected vessels (1):' field contains 'EMA Octavia'. The 'Selected command:' dropdown is set to 'RIC'. The 'Channel:' dropdown is set to 'GPRS'. The 'Reporting interval (hh:mm:ss):' text box contains '00:30:00'. At the bottom are 'Send' and 'Cancel' buttons.

Select desired channel (GPRS or satellite) and time interval specified as hours : minutes : seconds. Click „Send“.

Standby

In addition to normal operating mode BlueTraker can operate in Standby Mode. When in Standby Mode, BlueTraker will send reports at another, usually much lower rate or no reports at all.

The screenshot shows the 'Send command / message' dialog box. The 'Selected vessels (1):' field contains 'EMA Octavia'. The 'Selected command:' dropdown is set to 'Standby'. The 'Mode:' section has two radio buttons: 'Standby Enter' (which is selected) and 'Standby Exit'. At the bottom are 'Send' and 'Cancel' buttons.

Select „Standby Enter“ or „Standby Exit“ and click „Send“.

Standby Setup

Standby mode parameters are configured with Standby Setup command.

You may define reporting intervals for GPRS communication and satellite communication when in standby mode. Also special Auto-Exit distance can be defined. When BlueTraker moves more than Auto-Exit distance, it will exit Standby Mode and revert back to normal operation.

The screenshot shows the 'Send command / message' dialog box. The 'Selected vessels (1):' field contains 'EMA Octavia'. The 'Selected command:' dropdown is set to 'Standby Setup'. There are three input fields: 'Reporting interval-GPRS (hh:mm:ss):' with '00:00:00', 'Reporting interval-SAT (hh:mm:ss):' with '00:00:00', and 'Auto exit distance [m]:' with '500'. At the bottom are 'Send' and 'Cancel' buttons.

Enter reporting intervals for GPRS and satellite. If you wish to completely disable a channel use 00:00:00 for reporting interval. Enter auto-exit distance. If you wish to disable auto-exit use 0 for distance.

Example:

Set standby GPRS interval to 00:00:00, sat interval to 12:00:00 and auto exit distance to 1000 meters.

In this case the vessel in standby mode will only report once every 12 hours over the satellite and will not report over the GPRS at all. In case the vessel moves more than 1000 meters it will automatically exit standby mode and start reporting at default intervals set with RIC command.

HRDR - High Resolution Data Request

In general BlueTraker sends position reports every reporting interval, set by RIC/Standby setup commands. But actual data is stored into internal memory at much higher frequency. This is called High Resolution Data. You may download stored High Resolution Data by defining starting time and ending time.

The screenshot shows a dialog box titled "Send command / message" with a close button in the top right corner. The text "Selected vessels (1): EMA Octavia" is displayed. Below this, the "Selected command:" dropdown menu is set to "HRDR". There are two time selection fields: "From (UTC) :" with the value "09/05/2011 23:02" and "To (UTC) :" with the value "10/05/2011 23:02". Each time field has a small calendar icon to its right. At the bottom of the dialog are "Send" and "Cancel" buttons.

Specify starting time (From) and ending time (To). Downloading High Resolution data from BlueTraker can take a considerable amount of time and incur high communication cost. HRDR data can only be transmitted via GPRS channel.

Set outputs

To control external devices connected to BlueTraker output ports use Set outputs dialogue. Depending on the output configuration on and off buttons may be disabled.

The screenshot shows a dialog box titled "Send command / message" with a close button in the top right corner. The text "Selected vessels (1): EMA Octavia" is displayed. Below this, the "Selected command:" dropdown menu is set to "Set outputs". There are three rows of controls: "Skipper alert (0) :" with "On" and "Off" buttons, "Other 1 (0) :" with "On" and "Off" buttons, and "Other 2 (0) :" with "On" and "Off" buttons. The "Disabled (2)" label is present below the other controls. At the bottom of the dialog are "Send" and "Cancel" buttons.

Send text message

This is just a shortcut for sending a text message to the vessel without going through the [messaging system](#). Refer to Text Messaging for details.

Sending commands to several vessels at once

Instead of sending commands to several vessels one by one you can also send the same command to several vessel at the same time.

Sending commands by selecting vessels in the list

Select vessels by shift clicking. Once the vessels are selected use right click context menu as with a single vessel.

Results		
Name ▼	Close to	Conn
2100 t3st	Vilanova i la Geltru	
Albania1_Rozafa_11	Brindisi, Italy	●
Albania2_Rozafa_10	Lezhë, Albania	●
Albania3_Rozafa_3	Lezhë, Albania	
EMA Octavia	Salek, Slovenia	
EMA Trafic	Levec, Slovenia	
Q2.5 Rev.E #1	Celje, Slovenia	●
Q2.5 Rev.E #2	Celje, Slovenia	●
	Poole, United King	●
satlink1	Crotone, Italy	

Sending commands by drawing a region on the map

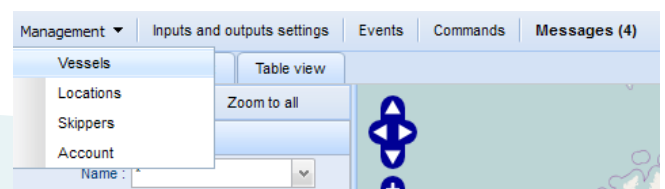
In some cases it might be more appropriate to send the same command to all the vessels in a certain area. Use map tools „Define area and send command“ to do this.



Draw a polygon that will define the area. Finish drawing by a double click. Command will be sent to all the vessels within the drawn area.

Management

Use management menu to manage your vessels/ vehicles, locations, skippers and your account details.



Vessel management

In order to track your vessels you must enter them into MyBlueTraker and connect them with BlueTraker devices mounted on them. Installation key (number) is used to connect actual BlueTraker, mounted on your vessel to a vessel in MyBlueTraker. Installation keys will be issued after successful hardware installation on your boats.

The screenshot shows the 'Vessels' window with a menu bar (Add vessel, Delete, Edit) and search filters (Name, Home port, Connection status). Below is a table of vessels:

Name	Reg. no.	Home port	Connection status	Key	Hidden
210013st	847	cjele	activated	847	☐
893	893	Celje	not activated		☒
Albania1_Rozafa_11	SN 4604 Q25	Celje	activated	893	☐
Albania2_Rozafa_10	SN 4603 Q25	Celje	activated	10894	☐
Albania3_Rozafa_3	SN 4602 Q25	Celje	activated	10895	☐
BrankoTest	791	Celje	activated	10791	☒
EMA Laguna	CE Z4 18C traker SN 18C	Celje	activated	185	☐
EMA Octavia	Škoda Octavia	Celje	activated	632	☐
EMA Trafic	CE R1 74T traker SN 894	Celje	activated	574	☐
OSDATA test	359	Croatia	activated	359	☒
Q2.5 #1	891	Celje	activated	891	☒

Default view lists your vessels and their data. Use menu bar in vessel management window to search, add and edit vessels. Connection status „activated“ designates vessels that are connected to BlueTrakers and are receiving data. Checkbox „Hidden“ indicates vessels that have not reported back to MyBlueTraker for more than 30 days. Such vessels are hidden from other displays. Use input fields to search for vessels or narrow down selection.

Adding vessels

Click „Add vessel“ to open add vessel dialogue.

The 'Add vessel' dialog box has three tabs: Basic, Standby notification settings, and Details. The Basic tab is active, showing fields for Type (Vessel), Subtype (Undefined), Name, Home loc. (with a location search icon), and Registration no. Below these fields are buttons for Connect, Disconnect, Add, and Cancel.

Set vessel type and subtype and type in vessel name, then choose a home location. Refer to „Location management“ for details about locations. If you have the information also enter registration number. Click „Add“ to save changes.

Another dialog will pop up where you can enter the installation key for this vessel. If you do not know the key at this moment you can click „Cancel“ and enter the key later.

The 'Input' dialog box has a title bar with a close button. The main text says 'You may optionally connect the traker by enter the installation key'. Below this is a text input field and buttons for OK and Cancel.

After you enter the key, MyBlueTraker will check if BlueTraker with the specified key is transmitting messages. If messages are present then a connection status will be updated to „activated“. Otherwise a warning will be shown. Note that you can enter or edit installation key at a later time.

Editing vessels

Select a vessel row and click „Edit“ button in the dialogue menu bar. Alternatively, you can right-click on a vessel row and select „Edit“ from the context menu. This will open the vessel editing dialogue.

Buttons „Connect“ and „Disconnect“ will be enabled based on vessel connection status.

„Standby notification settings“ and „Details“ tabs are enabled if the vessel is connected.

Standby notification settings

Notification is send when the vessel exits standby mode. See command [Standby](#).

Input telephone numbers and email addresses. Separate numbers and emails by comma. Use full international telephone numbers to get global coverage.

Vessel connection status

As previously stated, vessels in MyBlueTraker must be somehow connected to corresponding BlueTraker devices mounted on the vessels. Installation key is used for this purpose. Each BlueTraker is assigned a unique installation key at the time of installation and activation. This installation key never changes, even when actual hardware on the vessel is repaired or replaced therefore making hardware changes completely transparent to MyBlueTraker users.

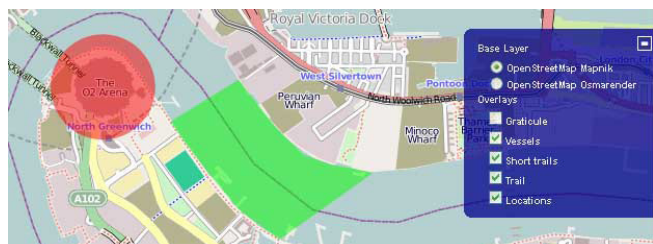
In case you receive message „There are no messages with this installation key.“ check that you have a correct installation key and that the BlueTraker is transmitting. Contact EMA d.o.o. for support. Use „Disconnect“ to break the connection between vessel and installation key.

Note, „Connect“ and „Disconnect“ are context sensitive. „Connect“ is only active when the vessel is listed as „not activated“ and vice versa.

Locations

Locations are geographical regions that can be used as designated home ports for vessels, geozones, geofences and other geo-enabled functions.

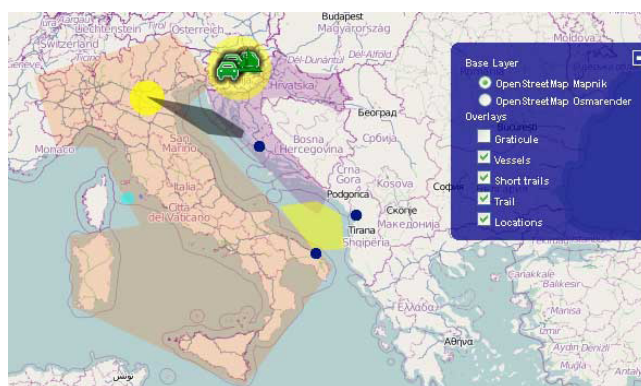
Locations can be divided into circular and polygonal. Use circular locations for simple areas of interest and polygons for more complex shapes. Following picture shows circular (red) and polygonal (green) locations.



Both types work exactly the same, only the geometry is different.

Viewing locations on the map display

Switch on locations display by enabling „Locations“ overlay using the pop-out button  in the upper right of the map. This will show your locations on the map display.



Editing locations

Click „Locations“ in management menu of the main window to display Manage locations dialog:

The 'Manage locations' dialog box has tabs for 'Add', 'Delete', 'Edit', 'Show', and 'Notification settings'. The 'Show' tab is active. It contains a search bar with 'Location' and 'Location type' dropdowns, and a 'Search' button. Below is a table of locations:

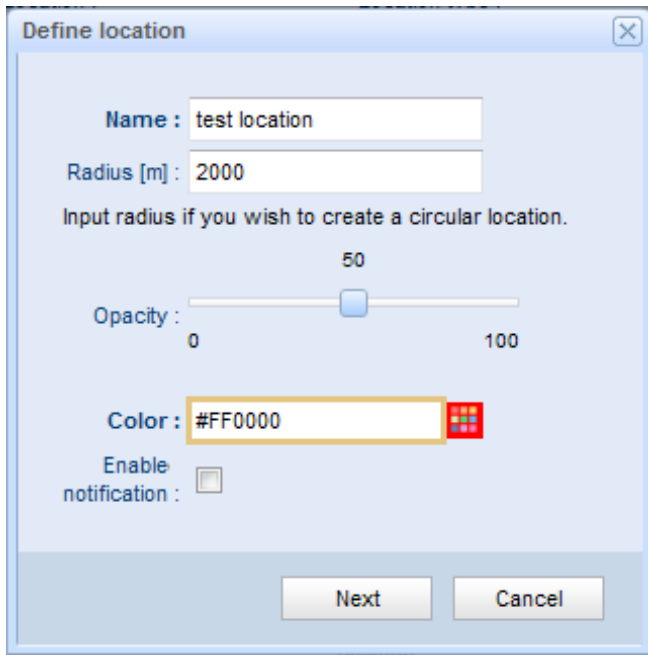
Name	Location type	
albanske vode	polygon	
Celje	circle	
Chiavari port	circle	
cjele	circle	
Croatia	polygon	
ema	circle	
Genova	circle	
Genova port	polygon	
Gib2	polygon	
Gib3	polygon	
Gibraltar	polygon	

A 'Cancel' button is at the bottom right.

All your locations are listed by default. You can search for location names and narrow down the selection by choosing location type (All types, circle, polygon).

Select a row and click „Show“ in window menu bar to display the location on the map.

Click „Add“ in window menu bar to open Define location dialog.



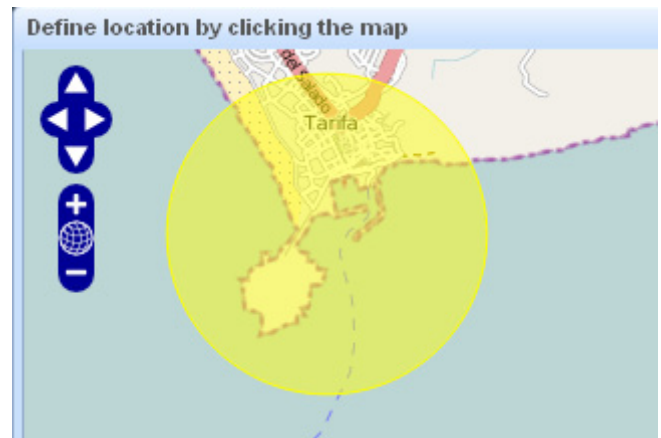
The 'Define location' dialog box contains the following fields and controls:

- Name:** A text input field containing 'test location'.
- Radius [m]:** A text input field containing '2000'.
- Input radius if you wish to create a circular location.** A label above a slider control.
- Opacity:** A slider control ranging from 0 to 100, with a blue knob positioned at 50.
- Color:** A text input field containing '#FF0000' and a color picker button.
- Enable notification:** A checkbox that is currently unchecked.
- Buttons:** 'Next' and 'Cancel' buttons at the bottom right.

Enter location name. In case of circular location also enter radius in meters. Use color picker to select location color. Use opacity slider to select location opacity. By default opacity is set to 50%. Select „Enable notification“ to be notified on the specified SMS number and e-mail address when the device enters or exits a location.

Click next to define the location. If you are defining a circular location use mouse drag and zoom. For polygonal locations use map navigation in the left upper corner to move and zoom the map. Click center point for circular location or define the geometry click by click for polygons. End polygon by double clicking.

Currently drawing of polygonal locations is unfortunately not very user friendly.



Circular location

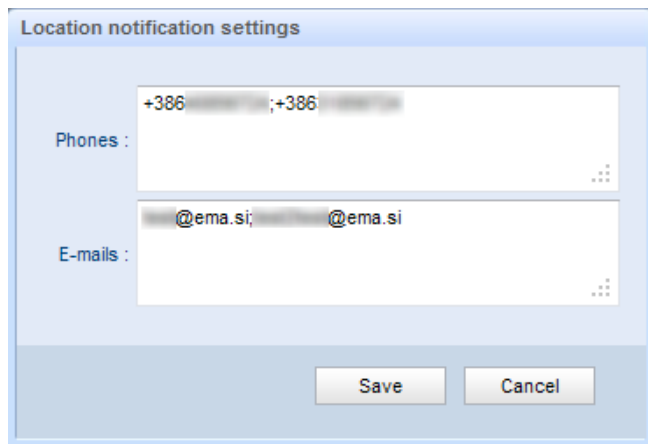


Polygonal location

Deleting locations

Select location row and click „Delete“ in the window menu bar to delete the location. You can also right click on the row to display context menu.

Editing notification settings



The 'Location notification settings' dialog box contains two text input fields. The 'Phones' field has the text '+386 ;+386' and a small grid icon to its right. The 'E-mails' field has the text '@ema.si; @ema.si' and a similar grid icon. At the bottom are 'Save' and 'Cancel' buttons.

Input telephone numbers and email addresses. Separate numbers and emails by ;. Use full international telephone numbers to get global coverage.

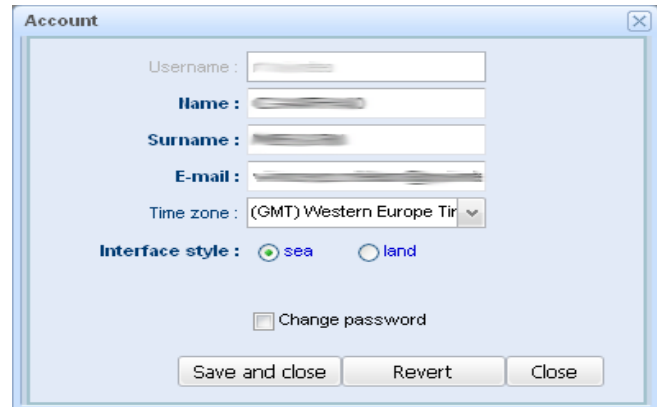
Exporting location geometry

Select a location and click „Show encoded text“ in the window menu bar. A popup will show location encoded as [Google encoded polyline](#). Copy and paste the text into other utilities.

Location exporting is intended for BlueTraker integration but is beyond the scope of this document. Contact EMA d.o.o. if you have specific questions.

Account management

Use account management so set your account details.



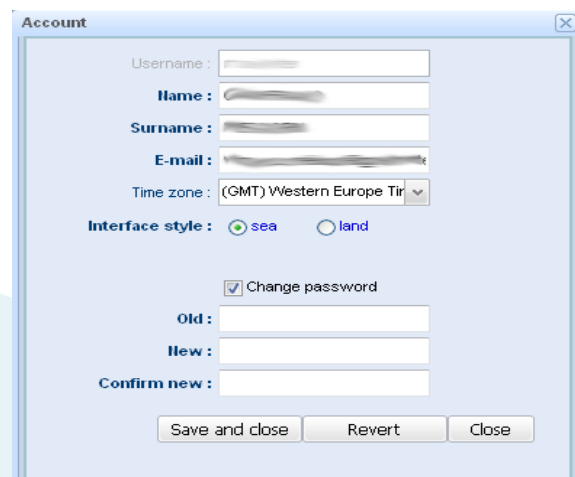
The top section of the 'Account' dialog box includes input fields for 'Username', 'Name', 'Surname', and 'E-mail'. Below these is a 'Time zone' dropdown menu set to '(GMT) Western Europe Tir'. The 'Interface style' section has two radio buttons: 'sea' (selected) and 'land'. A 'Change password' checkbox is present and unchecked. At the bottom are 'Save and close', 'Revert', and 'Close' buttons.

Username is issued by EMA d.o.o. and cannot be changed.

Email address is used to send notifications and information regarding the MyBlueTraker and BlueTraker system in general. This includes planned maintenance, other service interruptions and announcements. We will never give any personal information entered into MyBlueTraker to any third party.

Interface style „sea“ and „land“ changes the measurement units from naval (nautical miles, knots, etc) to land units (metric system).

Depending on your account you may also be able to change your password. Click „Change password“ checkbox to expand the dialogue and show password options.



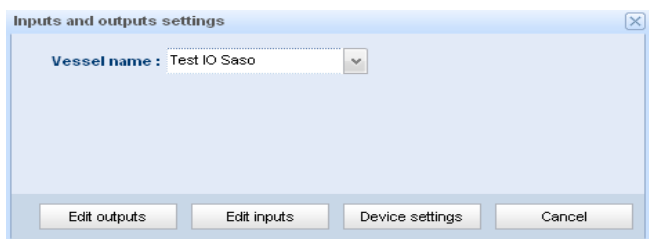
The bottom section of the 'Account' dialog box shows the 'Change password' checkbox checked. Below it are three input fields labeled 'Old', 'New', and 'Confirm new'. The 'Save and close', 'Revert', and 'Close' buttons are at the bottom.

Enter your old password, new password and confirmation.

Clicking „Revert“ will revert the form to the original values.

Inputs and outputs setting

Previously described sensors on BlueTraker and their status messages must be somehow integrated into MyBlueTraker. When alerts and events happen MyBlueTraker can send SMS and/ email messages to alert charter operators, fleet managers or boat owners. Input and outputs settings dialog is used for this. Use „Inputs and outputs setting“ in application menu bar to access it.

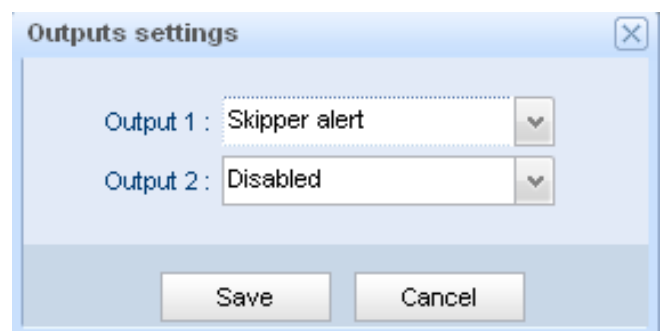


Select a vessel and then proceed with editing the outputs, inputs and additional device settings.

Outputs setting

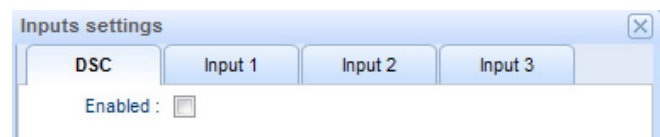
Some BlueTrakers are equipped with up to two output ports that are used to control external devices. This option is device specific and is only works if your BlueTraker is configured correctly and external devices are connected.

Currently the only officially supported external device is a so called „skipper alarm“. This is a sound and light alarm that is triggered through MyBlueTraker to inform the skipper. Skipper alarm is always connected on output port 1. Other devices can be connected and in this case select „Other“. If no external devices are connected leave „Disabled“ for both output 1 and output 2.



Inputs setting

BlueTrakers are equipped with up to four digital inputs that can be connected to various sensors and other external devices. Use inputs settings to configure inputs and MyBlueTraker actions.



Use tabs to select desired input. The first input and tab is dedicated to a DSC button. Inputs 1 to 3 work exactly the same.

DSC setting

Set „Enabled“ to enable DSC input. When DSC alert is triggered a special SMS (text) message is sent to specified telephone numbers and an email is sent to specified email addresses.

The screenshot shows the 'Inputs settings' window with the 'DSC' tab selected. The 'Enabled' checkbox is checked. The 'Phones' field contains '+386' and '+386'. The 'E-mails' field contains '@'. The 'Save' and 'Cancel' buttons are at the bottom.

Input telephone numbers and email addresses. Separate numbers and emails by comma. Use full international telephone numbers to get global coverage.

Input settings

Other sensors or devices may also be connected to inputs, like burglar alarm, bilge pump etc.

First enable the input by using the „Enabled“ checkbox. Input the description for this input. Select „Any“ if you want to be notified on any change of the state on the input. Select „Active“ to be notified when the state changes to active, or „Idle“ to be notified when the state changes to idle. Contact EMA d.o.o. in case of doubt.

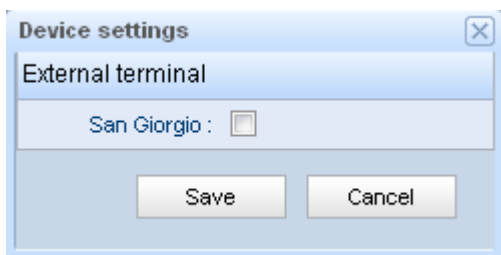
The screenshot shows the 'Inputs settings' window with the 'Input 1' tab selected. The 'Enabled' checkbox is checked. The 'Description' field contains 'Bilge pump'. The 'Notify on state' radio buttons are set to 'Active'. The 'Send message' checkbox is checked. The 'Message to send' field contains 'Bilge pump activated'. The 'Phones' field contains '+386'. The 'E-mails' field contains '@'. The 'Save' and 'Cancel' buttons are at the bottom.

If you wish to receive SMS and email messages check „Send message“ and input the message. Fill in phone numbers and email addresses same as with DSC.

Device settings

Device settings dialogue is used to configure additional external devices connected to BlueTraker.

Currently only Sangiorgio Sein text terminal is supported. This terminal is used to [send and receive short text messages](#) via BlueTraker.



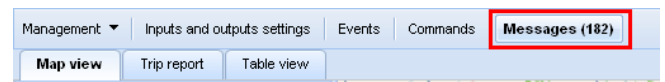
Check this option to enable San Giorgio text terminal integration.

Skipper management

Skipper are not essential part of MyBlueTraker but can be useful if you rent boats to same people many times. Skipper management works the same as other windows already described.

Messaging

Use „Messages“ menu to access the text messaging system.



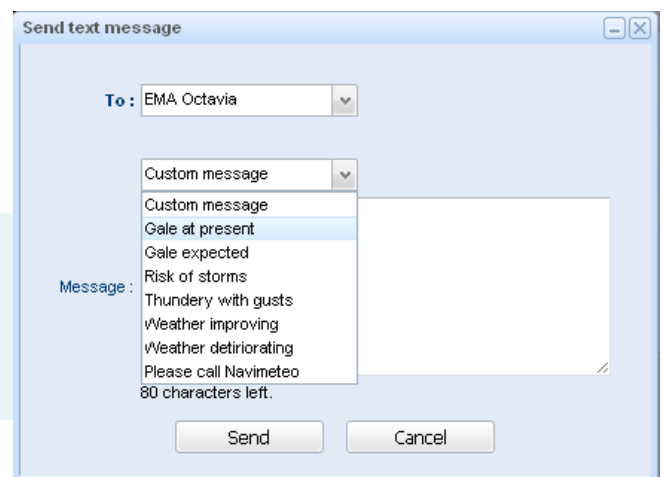
Messaging system is used with optional text terminals connected to BlueTraker. Text terminals allow remote users to send and receive short text messages via BlueTraker. Currently only San Giorgio SEIN terminals are supported.

Canned messages with multilingual support

If you are using supported external terminals some frequently used messages can be transmitted using pre-defined codes or ‚canned messages‘ thus reducing communication cost. Canned messages are language independent and will always be shown in the selected interface language.

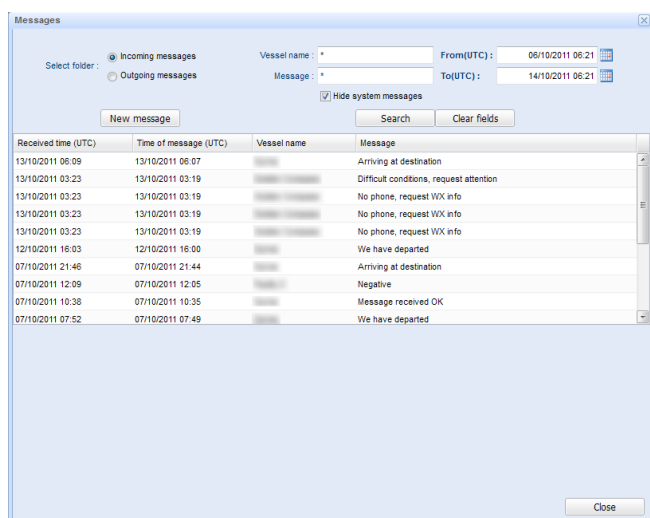
If you for example choose English as the interface language a particular message may show „Arriving at destination“. In case you choose Italian the same message will read „Arrival“.

Only San Giorgio SEIN terminals are supported at this time. Refer to [Device Settings](#) for configuration.



Messaging interface

Messaging system is designed to resemble a standard email client, having inbox folder, outbox folder, basic search options and ways to compose messages.



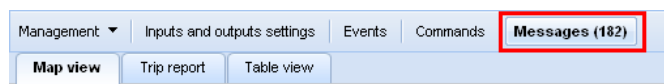
Default view will show incoming messages for a week. Use filter to search for specific messages.

Unread messages alert

If you have unread messages at login, a message will pop-up and alarm will sound.

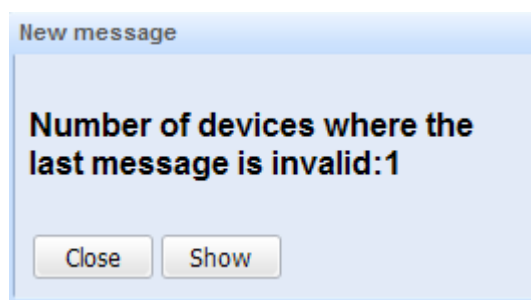


Number of unread messages is also shown in the top menu bar.



Invalid messages alert

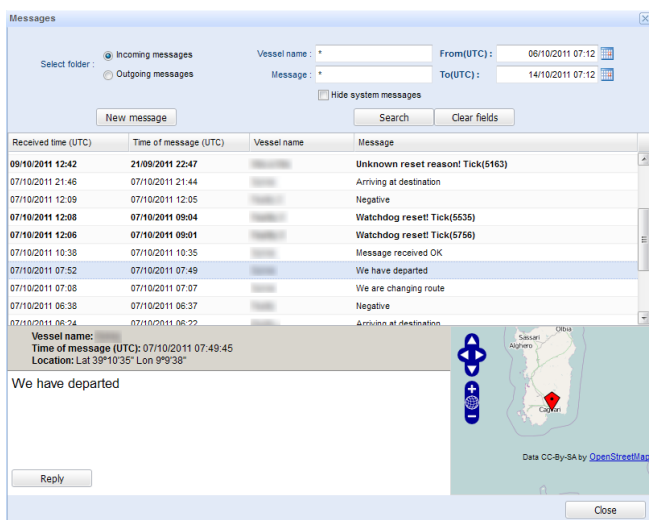
If one of your devices' last message was invalid, a message will pop-up and alarm will sound on login.



Incoming messages folder

Unread messages are displayed at the beginning of the list and listed with **bold letters**. Once you click on an unread message it will be marked as read. Once a message is marked read it is not possible to mark it as unread.

Message contents will be shown in the lower part of the interface. Mini map to the right will show the position of the origin of the message.



If you uncheck „Hide system messages“ additional system messages will be shown. In general these messages can be ignored. They may be helpful in troubleshooting communication or installation problems.

Outgoing messages folder

Select „Outgoing messages“ to switch the view to outgoing messages.

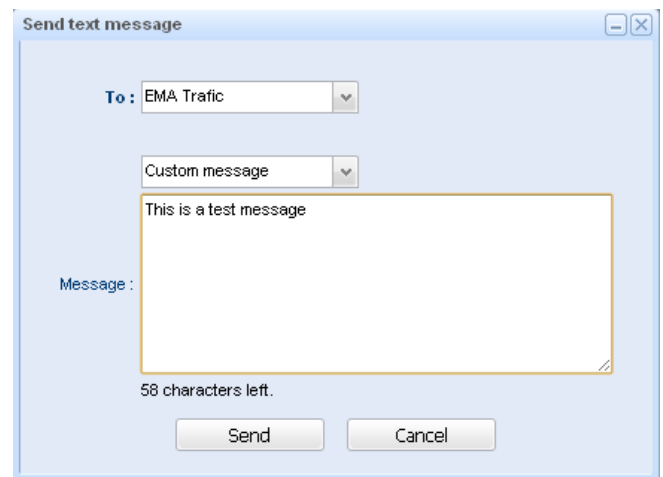
Note that after sending a new messages it may take a while for the message to appear in the outgoing folder.

Composing messages

There are several ways to compose a new message but they all work the same way,

New message from main messaging interface

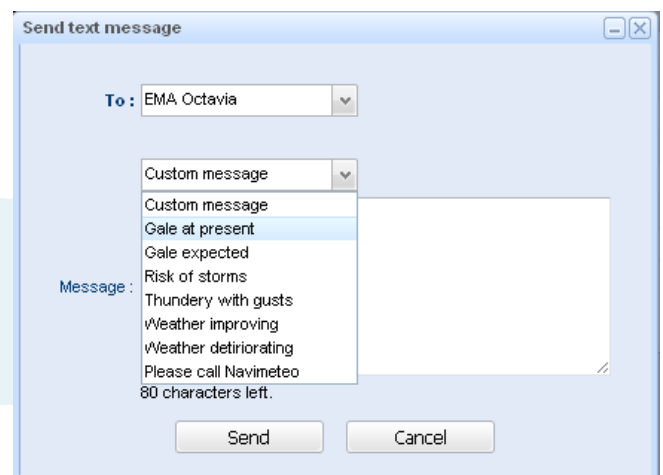
Use „New message“ button to open a „Send text message“ dialogue.



Select a vessel from the „To:“ dropdown.

Type in your message into the „Message“ text box. Messages are limited to about 80 characters.

If you wish to send a canned message select it from the dropdown.



Click „Send“ to send the message.

Note that after sending a new messages it may take a while for the message to appear in the outgoing folder.

New message as a reply to received message

Click „Reply“ when reading a message. „Send text message“ dialogue will open and the correct vessel will already be selected.

New message from commands menu

Right click on a vessel in the quick search panel. Select „Send command / message“. „Send text message“ dialogue will open and the correct vessel will already be selected.



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