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1 Introduction

vesseltracker.com is a web portal for the latest vessel information which is used by companies in the areas of shipping, transports and logistics. The vesseltracker.com limited company has been founded in 2006 by three Hamburgian entrepreneurs and is growing continuously since. The information area for professional users is complemented by a time delayed public area and a comprehensive photo community. A constantly growing ship archive containing more than 150.000 photos already is at the users disposal. With approximately 25.000 daily visitors and more than 6 Mio. page impressions vesseltracker.com is the largest website in the maritime area and is also the right choice for interested advertising partners.

Since almost all vessels today are equipped with an Automatic Identification System - AIS -, you can follow routes and courses in real-time. All vessels equipped with AIS, which are vessels larger than 300 RT, are sending various data via radio, such as callsign, name, length, width, ship type and current position. Even maintenance and service ships, for example tugs, and of course large passenger ships and ferries are visible.

All ship movements can be accessed via the website or can be displayed additionally in Google Earth. The professional user will find various webservices to integrate information into ERP systems.

The following pages contain useful information about our general offerings and instructions for our services liable to charges. The services are marked with icons, so you can immediately find the areas of interest for you.



These services are only available for our "Personal Account" customers



These services are only available for our "Company Account" customers



2 Homepage

2.1 General Features

Registration

You will find the option to sign up for vesseltracker.com at the top of our website.



Click on "Sign Up Now" if you do not have a vesseltracker.com-account yet.



Naturally we are handling your personal data with the utmost care and will on no account forward them to third parties.

Tips for registration:

• You do not need to fill in the Coupon Code

Once you have submitted the form, you will receive an e-mail asking you to confirm your e-mail-address. After confirmation you will automatically receive another mail containing your username and password.

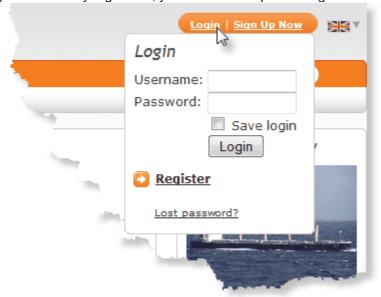
Should you not receive any of these two mails, please make sure to check in the spam folder of



your e-mail-account.

Login

If you are already registered, you will find the option to log in next to the <u>registration</u> button.



Click on "Login", to login to

vesseltracker.com.

If you have lost your password, you can use the "Lost password?"-option. You will be prompted to enter you e-mail-address and will automatically receive a new password.

Map View

You will find various map views on our website.



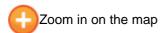
Example: Map of the region "Hamburg / Elbe"

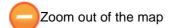
You can move the map section by pressing and holding the left mouse button and moving the



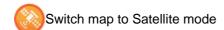


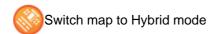
mouse, if you would like to see a different area. You can use the mouse wheel to zoom the section in and out. Additionally there are five icons which you can use to alter the map views.











Vessels are displayed on the map using four different icons:

The vessel is moving in the direction indicated by the arrow

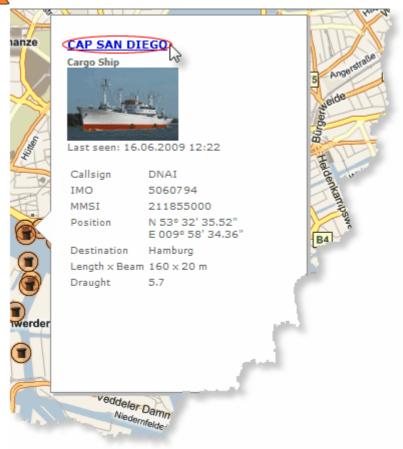
The vessel is anchoring

The vessel is moored

The vessel is currently not moving

If you move your mouse over one of the icons, you will receive additional information about the respective vessel.





Click on the vessel name to reach

the shipdetail page.

Adjacent to the map you will find a list of the shown vessels. Clicking on a vessel's name will lead to the respective shipdetail page.

Ship Search

If you are looking for a specific vessel, enter the name or the IMO-number into the search field.

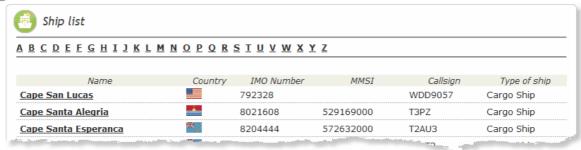
Note: You can also enter only part of a vessel's name. The search function will display all vessels which at least a partially match the entered name. The IMO-number hast to be entered completely, though. Names are case insensitive.



Click on the magnifying glass to start the search.

You will obtain a list of all vessel names matching your search criteria.





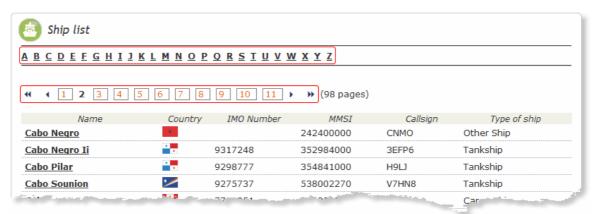
Click on a vessel name to receive more information.

Vessel Archive

In our vessel archive you can find all vessels which have ever sent an AIS signal in one of our covered areas.



The list is ordered alphabetically. Since the number of vessels listed is growing constantly, the amount of names per letter can be quite long.



You can select an initial letter for filter the list and use the navigation bar to browse through the existing vessels.

2.2 Region overview

On the region page you will find all ports and vessels in a region.



You can get a list of all moving and anchored vessels in a region.

For every vessel its name, IMO-number, type of ship, position and destination are displayed. For the anchored vessels the estimated time of arrival is also shown.





Example: All moving vessels in the region "Hamburg / Elbe".

2.3 Port overview

On the port page you will find all vessels in a port.



Example: The latest arrivals and departures in the port of Hamburg.

Arrivals and Departures will display a list of the vessels which have most recently moored or unmoored in a port.

Map will display a <u>map view</u> of the respective port.



Besides the Arrivals and Departures there are three additional pages for each port:

- Moored Vessels (all vessels currently moored in the port)
- Entered Port (all vessels which have moored in the port within the last 24 hours)
- Expected (all vessels indication the port as their destination)

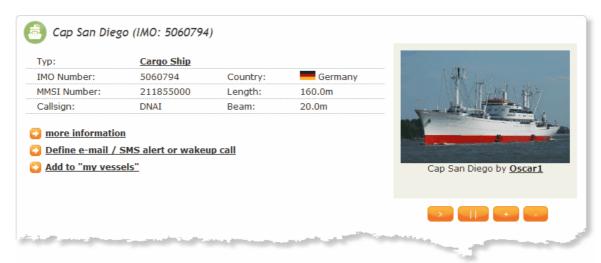
Note: The information about the expected vessels is based on the vessels AIS signals. Due to this only vessels which have correctly entered the respective port into their AIS system as their destination appear in this list.

For every vessel its name, IMO-number, the flag under which it is sailing and the type of ship are displayed. In the "Moored" and "Entered" overviews the berth and the time of moorage are also shown. For expected vessels the expected time of arrival is displayed.



2.4 Ship detail page

vesseltracker.com is offering an extensive information page for every vessel from which you can reach all available data regarding a ship.



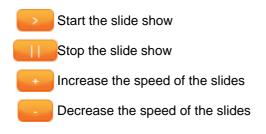
The upper part of the page contains general information about the vessel.

Besides the name and the type of the ship, additional information like identification-numbers, flag, callsign and measurements are presented. **Please keep in mind** that this information is retrieved directly from the AIS signal of the respective vessel.

In this area you can:

- Create an Alert (see page 16) for the vessel
- Add this vessel to your favorite vessels (see page 29)

Below the ship photo you will find buttons to control a slide show displaying the best photos of the vessel.



You can also view additional details for a vessel.



CAP SAN DIEGO

IMO NUMBER	5060794
VESSEL TYPE	MUSEUM SHIP
HULL TYPE	SINGLE HULL
GROSS TONNAGE	9.998 tons
SUMMER DWT	10.017 tons
BUILD	1962
BUILDER	HDW KIEL - GERMANY

VESSEL DETAILS

CLASSIFICATION	# 100 A5 K(50), GENERAL CARGO SHIP # MC	
GENERIC	SPEED	19,0 knots
DIMENSIONS	BREADTH EXTREME	21,47 m
	BREADTH MOULDED	21,47 m
	BREADTH REGISTERED	21,40 m
	DEPTH	11,57 m
	DRAUGHT	6,50 m
	FREEBOARD	5.070,0 mm
	LENGTH B/W PERPENDICULARS	144,50 m
1	LENGTH OVERALL	15° 40 m
Section 2 in the law of the law o	المراجع الإسلام المالية	

Additional details for the Cap San Diego.



Position

Here you can find all available positional data in one central location.



Example: The "Conceiver" is moving in an area covered by vesseltracker.com.

If a vessels is currently moving in an area covered by vesseltracker.com, you can follow its movements in realtime on the map.

Note: For users of a free of charge "Free Account" the display is delayed by at least two hours.

Depending on availability you can find additional information about a vessel adjacent to the map. This information is read directly from the vessels AIS signal:

- Speed
- Heading
- Course
- Draught
- Destination
- · Estimated time of arrival
- · Last seen

Additionally you will see a list of the last distinctive waypoints the vessels has passed.

Should a vessel be currently outside of a covered region but a prior position is available, the last available position will be displayed on the map. You can easily recognize this by the grey anchor icon used to show the position. If available you will also see the time and date the ship was last seen, its course, destination and estimated time of arrival.





Example: The "Effie Maersk" is currently not in one of the regions covered by vesseltracker.com.



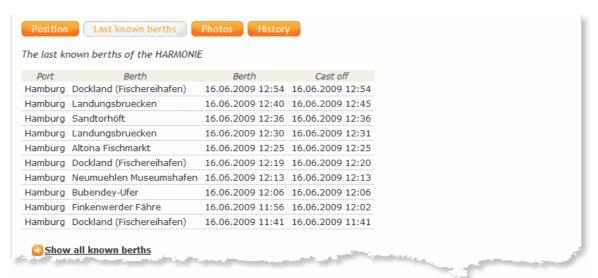
For vessels with the destination "Hamburg" you can also find information about the ship's agent and the berth it is headed for.

If the button "Show Track" is activated, you can use this button to display the route of the last 24 hours on the map.

Last known berths



Here you will find the last berths at which the vessels was moored.



Example: The "Harmonie" is moving regularly within the port of Hamburg.

For every berth you can see the port, the name of the berth and the times the vessels moored and unmoored.



Photos

Here you can find the ten best rated photos for a ship.



You can see the total number of photos on vesseltracker.com for a ship and also upload your own photos.

History



In the history you can find an overview of all changes in the master data of a vessel's AIS transmissions.

The following changes are recorded:

- Name
- Callsign
- MMSI-number
- Flag
- Type of ship

The changes are recorded chronological and you can see the time and date for each change.



2.5 Alerting



Alerts are offering you the option to be automatically kept up to date on vessel movements. As soon as a ship enters or leaves a predefined area you will be informed via e-mail, telephone or SMS message. To create and edit alerts login to our website and choose "My Vesseltracker" and "My Alerts" afterwards. You will see an overview of the alerts you have created.



Example: Two alerts have been created.

An alert always consists of the following information:

- Start: From when on is an alert active
- End: Until when is an alert active?
- E-mail: Where should the message be sent to?
- · optionally a second e-mail-address
- optionally a mobile phone number
- · Active or not active

For each alert you can define a number of <u>events</u>, about which you would like to be informed. Only if you have defined at least one event, messages can be sent.

The following types of events exist:

- · Ship is entering a region
- Ship is leaving a region
- Ship is entering a port
- Ship is leaving a port
- Ship is berthing at a particular berth
- Ship is casting off from a particular berth
- Ship is passing a waypoint

You can add additional events to an alert by clicking on "edit". Moving the mouse over the number of events for an alert will display a quick overview over the individual events for this alert.



Creating an alert

To create an alert, first select the desired vessel. To do this, enter the name of the vessel in the search area and click on the magnifying glass.



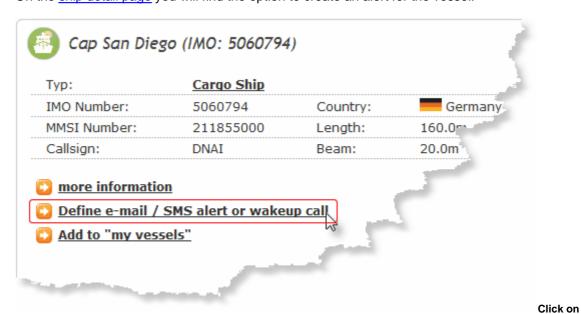
Example: We are looking for the "Cap San Diego".

Choose the correct vessel from the results list.

Cap San Augustin	9215692		ZO4	Cargo Ship
Cap San Diego	5060794	211855000	DNAI	Cargo Ship
Cap San Lorenzo	9215684	636090505	ELZL5	Cargo Ship
Cap San Marco	9215628		ZA9	Cargo Ship

Click on the "Cap San Diego".

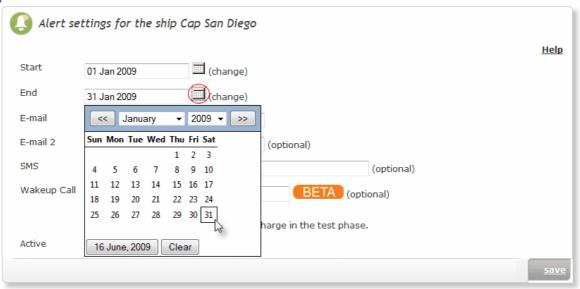
On the ship detail page you will find the option to create an alert for the vessel.



"Define e-mail / SMS alert or wakeup call".

Now you can define the period during which you would like to be informed about this vessel's movements.

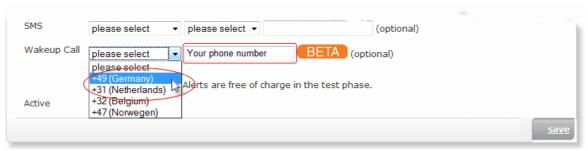




We would like to be informed about the "Cap San Diego's" movements during January 2009.

Enter up to two e-mail-addresses and a mobile phone number, to which the messages will be sent.

Additionally you are able to enter a phone number to receive **wakeup calls** from vesseltracker. com about your alerts.



Select your country from the list of available countries and enter your phone number (including area code).

After you have adjusted all the settings, you can save the alert.

Defining an event

In addition to an alert you will need at least one event about which you would like to be informed.

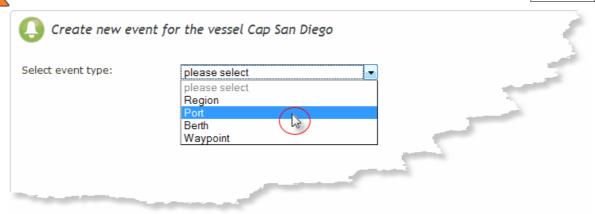


Click on "Create new event".

Choose the type of event first.

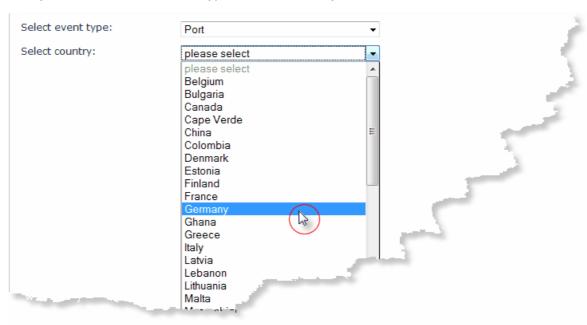






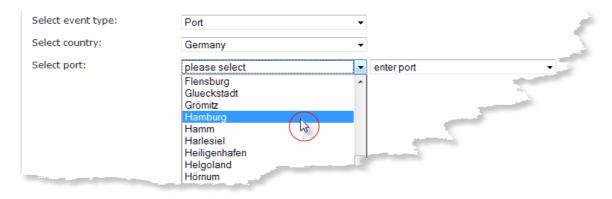
We would like to be informed about movements in a port.

After you have selected an event type, choose a country.



We would like to be informed about a port in Germany.

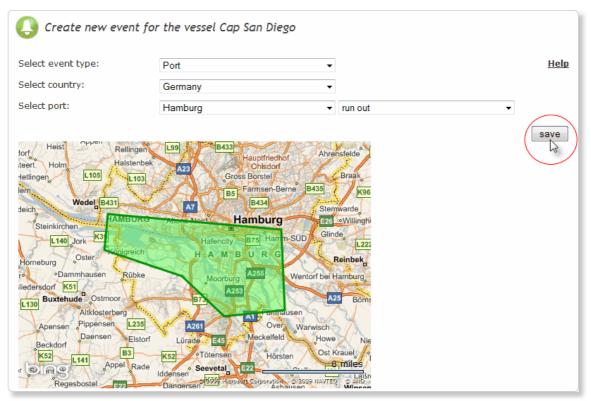
Having chosen a country, please select the desired port and action.



Note: If you would like to be informed about entering and leaving an area, you have to create two



separate events. There is no option to combine leaving and entering in one event. An alternative is to choose a waypoint at the regions border. This way you will be informed whenever the vessel passes the regions border, regardless of it's direction.

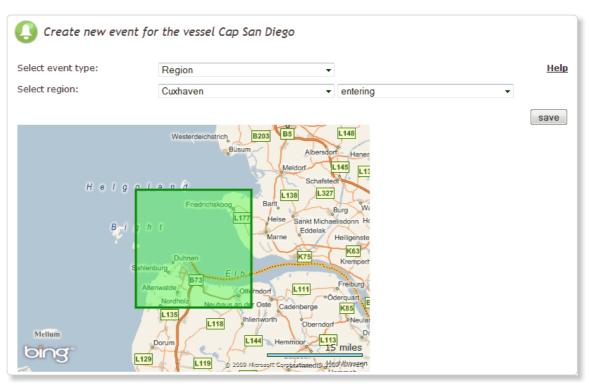


Example: We would like to be informed when the "Cap San Diego" runs out of the port of Hamburg.



Further event types:

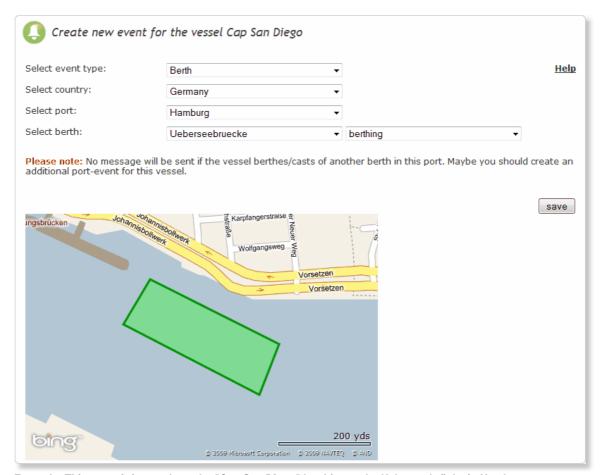
• Region



Example: This event informs about the "Cap San Diego" entering the region of Cuxhaven.



• Berth

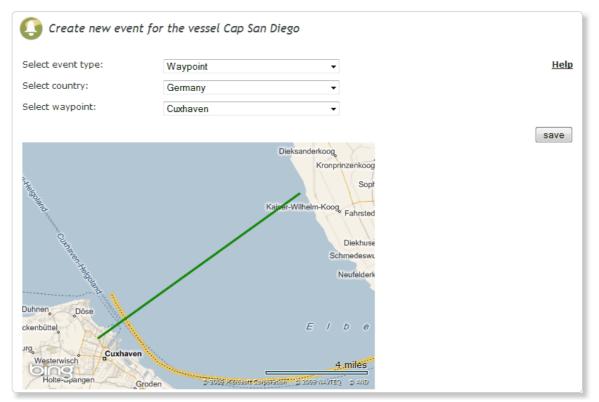


Example: This event informs about the "Cap San Diego" berthing at the Ueberseebrücke in Hamburg.



Waypoint

User manual



Example: This event informs about the "Cap San Diego" passing the waypoint Cuxhaven.

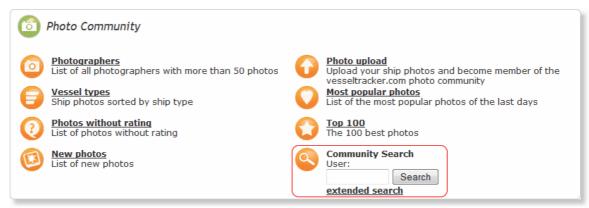
Note: The passage of a waypoint will trigger an event regardless of the ship's direction. If you are missing an important waypoint, please contact us and we will install it for you if possible.

Once you have chosen all the necessary settings for an event, you can click on "Save" to add the event to your alert.



2.6 Community

In this area you can find all the information about ship photos on vesseltracker.com. You can view and rate other users' pictures, find single users and upload your own photos. Additionally you can send messages to other users and add them to your contact list.



The Community Search enables you to find other users once you are logged in.

Uploading photos

vesseltracker.com is offering you a platform to present your best ship photos. To share your photos with other users, please <u>register</u> first.

Ship detail page

On every ship detail page you can see the photos of a ship that have been uploaded by the users.

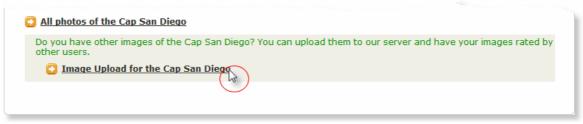


Under "Photos" you can find a selection of the available photos of a vessel.

Please use these pictures as a reference to guarantee that you have selected the correct vessel. Mistakes happen easily so we can only encourage you to use adequate care.

If you are certain to have selected the correct ship, you can use the link "Image Upload for ..." to directly <u>upload</u> your photo.





If you click on this link you can directly upload a photo of the selected vessel.

Image upload

Please only upload pictures for which you possess the copyright. You will be given the opportunity to stamp a photo with a personal <u>copyright notice</u> later on. If you have read and understood the conditions for uploading a picture, mark the appropriate checkbox and select your image file by clicking on "Choose".

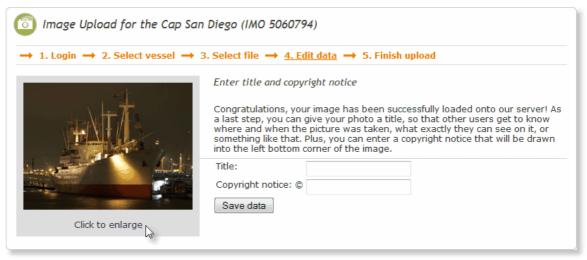
Please keep in mind that you can only upload JPEG-files.

I understa	nd and accept the conditions	
Filename:	Durchsuchen_	
Upload the p	hoto now	

Once you have selected the correct file, click on "Upload the photo now". Your photo will appear on our website immediately.

Copyright notice

After you have uploaded a photo you will be given the opportunity to enter a title for the picture and record a copyright notice.



You can click on the image to review a submission preview of the photo in original size.

The entered title will appear as a description when the photo is viewed and the copyright notice will automatically be inscribed in the bottom left corner of the image. Thank you for taking your time to enrich our photo archive.



Note: Use the title to write down the name of the vessel and the place and time of the recording. For Example: Cap San Diego, 1st of January 2009 in Hamburg.

Rating ship photos

You can rate the photos of other users on vesseltracker.com. To do this you can use the star icons which are present on every photo page.



Click on the

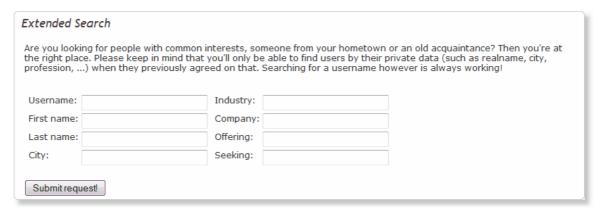
stars to rate a picture.

The more stars you are giving away, the better you are rating a picture.

Note: Please try to rate the pictures impartially and do not grant an unnecessary high or low number of stars just because the photographer might be a personal acquaintance of yours.

Community Search

In addition to the simple search option for usernames, which you can find on the <u>entry page for the Community</u>, you can also search the user profiles for various criteria.

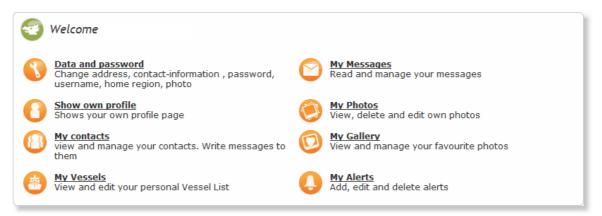


Enter your search terms into the fields which you would like to search and click "Submit request!". You will see a list of all users whose profile matches your search.



2.7 My Vesseltracker

Under "My Vesseltracker" you can find all personal settings and favorite-lists which you have created. Please keep in mind that this option is only visible if you are logged in.



Settings

Under "Data and Password" you can find all settings available for vesseltracker.com.



Under **Addresses** you can change general user data and add a business as well as a private address. You can also enter a new address here if your contact data should change. Of course you keep complete control over the use of your data.



You can select to receive our newsletter by marking the appropriate checkbox. If you would like to unsubscribe from the newsletter, simply remove the mark.

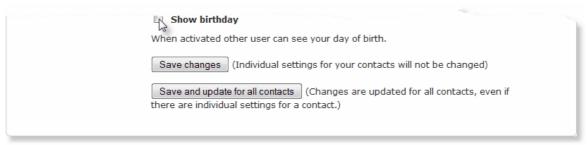
Note: The settings for "Language" and "Timezone" will affect other functions. All times you can see on the website are refering to the timezone set here. The language setting will define the language for the vesseltracker.com newsletter.

Under **Profile** you are given the option to provide additional information about yourself and define who is allowed to view your personal data on the website.

You can:

- Make your profile publicly accessible or show it exclusively to your contacts
- Accept or block messages from other users
- Show your private and business address and you date of birth to your contacts only or make them publicly accessible





To show profile information, e.g. your date of birth, simply mark the appropriate checkbox.

When saving your settings, you can decide wether to overwrite preferences for individual contacts or not. Should you decide to overwrite, then the new settings will apply globally and remove the individual settings for your <u>contacts</u>.

Under GoogleEarth you will find settings for your personal Google Earth File.



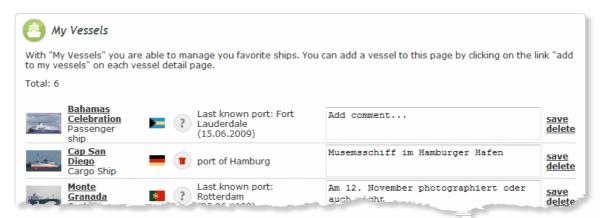
Under Password you can change your password.

Under **Photo** you can upload a user picture. This will appear on your profile page and in the photographers overview.



My Vessels

You can create a list of your favorite vessels, so you will not have to use the <u>ship search</u> each time you want to access the ship's details.



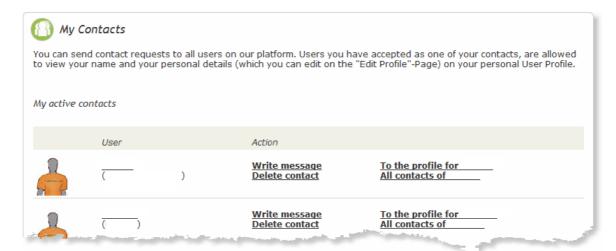
For each vessel a preview and the ship type will be displayed. You can also save a short note for a vessel. Please keep in mind that clicking "save" will only save the respective note and reset all other notes to the last saved version. So if you would like to change multiple notes, please select "save" after each change in order not to loose any changes.

Additionally the last know position for each vessel will be displayed.

If you would like to remove a vessel from your favorite list, click on "delete".

My Contacts

You can maintain your contacts to other users with vesseltracker.com. To do this, vesseltracker. com offers you a message system as well as a contact list, where you can administer your various contacts.



The list is divided into unanswered contact requests, active contacts and rejected or deleted contacts. You can also access the contact lists of your contacts. When clicking on the user image of a contact or the contact's user name or following the link "To the profile for ..." you will reach the contacts profile page.



On this page you can view the usual user information and adjust which parts of your profile the respective contact is allowed to view.



My Messages

You can use vesseltracker.com to exchange messages with other users. You can send messages to contacts and also to other users, as long as these have enabled the message function in their settings.

You will be notified on your personal "My Vesseltracker"-page if you have new messages and you will also receive a notification e-mail. Additionally unread messages are displayed in bold letters on the "My Messages"-page, so you can quickly survey your messages.



Each message contains a recipient, a subject and the message text. You can only send messages to one user at a time.

2.8 Problems with the website

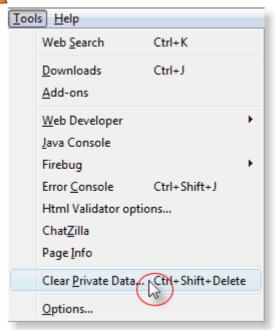
Sometimes errors in the browsercache can lead to certain services on vesseltracker.com (e.g. logging out, creating alerts, uploading photos) malfunctioning. To remove these errors you have to delete the temporary internet files.

Note: Deleting your temporary internet files may take some time, depending on how regularly you are performing this operation. Please be patient.

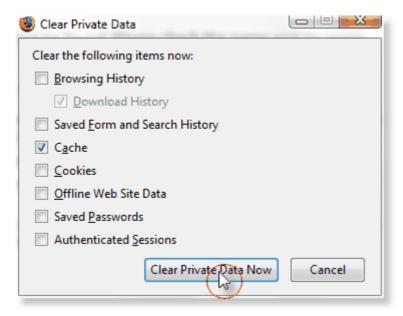
To delete the temporary internet files in **Firefox**, please follow this procedure:

- Open Firefox
- Choose any website besides "www.vesseltracker.com" for example www.google.com
- Choose "Clear Private Data" from the menu "Tools"





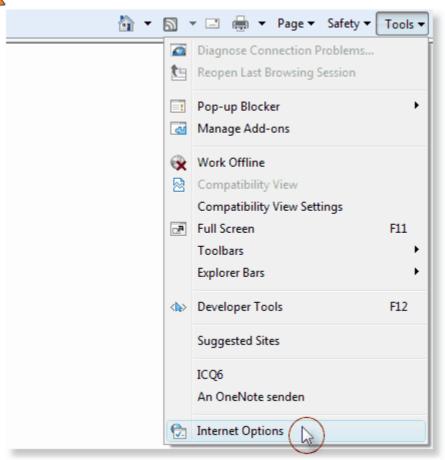
• Remove all check marks except for "Cache" and then click on "Clear Private Data Now"



To delete the temporary internet files in the **Internet Explorer 8**, please follow this procedure:

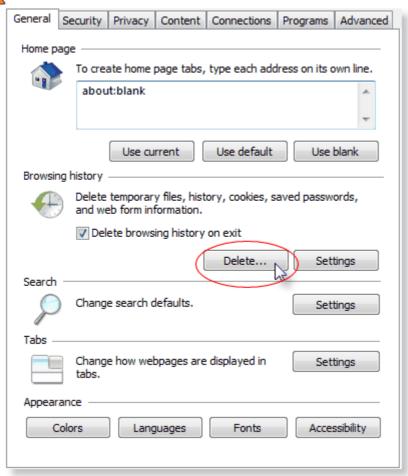
- Open the Internet Explorer
- Choose any website besides "www.vesseltracker.com" for example www.google.com
- Click on "Tools" and then select "Internet Options"





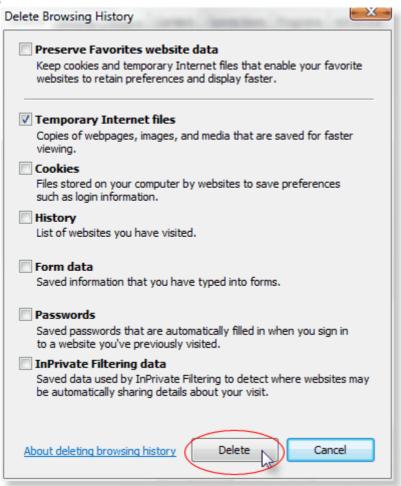
• Select the tab "General" and the click on "Delete..." in the area "Browsing history"





• Remove all check marks except for "Temporary Internet files" and then click on "Delete"





To delete the temporary internet files in the Internet Explorer 6, please follow this procedure:

• Click on "Tools" -> "Internet Options..."



• Choose the tab "General" and then click on "Delete Files..." in the area "Temporary Internet files"





• Confirm the following window using "OK"



After deleting your temporary internet files you should be able to use all services of vesseltracker. com without any problems.



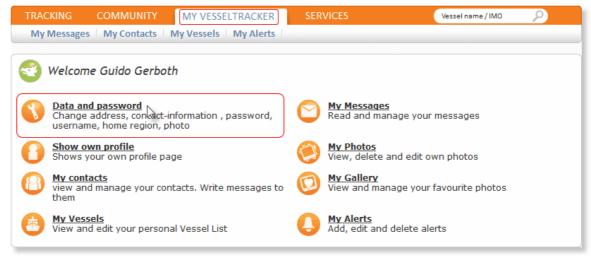
3 Google Earth

Google Earth is a browser for satellite maps featuring easy navigation and is thus in our opinion the best tool to display live AIS vessel positions. The maps are extremely detailed, so you can even recognizge single containers within a port. If you have not yet installed Google Earth on your computer, please visit the Google Earth website here: http://earth.google.com/download-earth.html

Please keep in mind the Google Earth licence agreement for professional use.

3.1 Settings

To configure your personal Vesseltracker Google Earth File, please login to our website first. Then choose "Data and password" from "My Vesseltracker".



Here you can find your personal settings on vesseltracker.com

Here you will find a menu item "GoogleEarth".



Google Earth settings on vesseltracker.com

Here you can configure your personal Google Earth File.



Home Region: This will define the region into which Google Earth zooms during the start.

Highlight my vessels: Vessels, belonging to your fleet, will be specially highlighted in Google Earth.

Show all vessels: If this checkbox is marked, Google Earth will always load all vessels available on vesseltracker.com. You should only choose this option when operating on a powerful computer, because the number of available vessels is extremely large and constantly growing. If this box is not marked, only the vessels which move in the current map section are loaded. Please keep in mind that this option will also affect the search function in Google Earth: You can only find vessels which are currently loaded, so if you would like to look for vessels which are not within your current map section you will have to mark this box.

Show polygons: If this option is checked, Google Earth will display polygons depicting the vessels when you zoom in close enough. Without this option only the circular icons are displayed. It might be useful to deactivate this feature on slower computers, as it does not affect any functionality.

Show update-time: If this option is checked, a clock is displayed in Google Earth showing the time of the latest data reception from the server. The time shown depends on your chosen timezone (see "Settings").

Important note: Changes in the settings will be transferred to Google Earth immediately after saving. You do **not** have to <u>download</u> your personal Google Earth File again. Simply refresh the appropriate folder in Google Earth "Places".

3.2 Download Google Earth File

Here you will find your personal Google Earth File on vesseltracker.com:



If you are using a Free Account or are not yet logged in, the link will look like this:

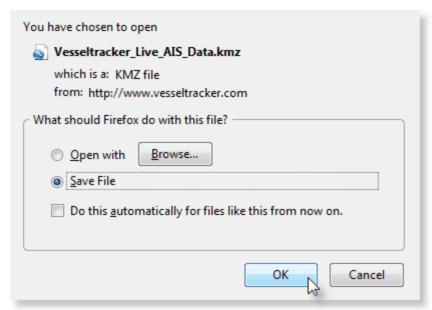


As soon as you are logged in, you should see the following link:





Click on the link and save the file on your computer, for example on your desktop.



Download Google Earth File

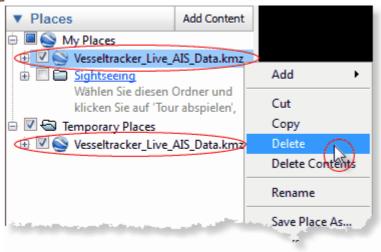
Alternatively you can directly <u>open</u> the file in Google Earth. Please pay attention that any old version of the file is removed from Google Earth before you do this, as multiple occurrences in Google Earth can cause problems.

Note: You can only use the Google Earth File on one computer at a time. If you are using a different computer and download a new Google Earth File from vesseltracker.com, the old version will automatically become invalid. So if you would like to use the Google Earth data on multiple computers you will have to log in to vesseltracker.com and download a new file every time you are switching computers.

3.3 Open Google Earth File

Before opening a new Google Earth File you should ensure that all old versions have been removed from Google Earth, as multiple occurrences can cause unwanted side effects. In order to do this, please check the area "Places" in the Google Earth sidebar and delete all contents with names containing "vesseltracker". Should the sidebar be hidden, you can either display it using the shortcut "Ctrl + Alt + B" or using the main menu "View" and "Sidebar".





Right-click on all entries

"vesseltracker..." and choose Delete.

When all old version are removed, you can open your personal Google Earth File. To do this choose "File" and "Open..." from the main menu.

You can save the folder under "My Places" so you will not have to reload the file every time you restart Google Earth. To do this, right-click on the folder and choose "Save to My Places" from the context menu. After you have saved the vesseltracker.com Google Earth File to "My Places" the data will be available whenever you start Google Earth.

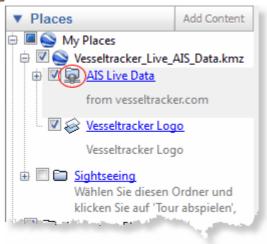
3.4 Check Internet connection

To check you internet connection, please open any internet browser - for example Mozilla Firefox or Microsoft Internet Explorer - an test wether you can reach any website - for example www.google.de. Should this fail, your internet connection is probably disconnected.

If the internet connection is working, please check wether you can load www.vesseltracker.com. Sometimes you will see a note saying the site is down for maintenance. In this case please wait a couple of minutes before trying again. If www.vesseltracker.com loads correctly, problems with your internet connection or the vesseltracker.com server can be eliminated.

Take a look in the Google Earth sidebar. Should the sidebar be hidden, you can either display it using the shortcut "Ctrl + Alt + B" or using the main menu "View" and "Sidebar". Now click on the small "+"-icon next to the folder until you can see the subfolders "AIS Live Data" and "Vesseltracker Logo".





The icon next to "AIS Live Data" shows the status of your

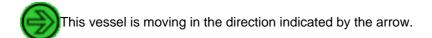
connection

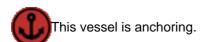
Next to the name "AIS Live Data" you can see a folder-symbol with a colored dot. If this dot is red, right-click on the folder-symbol and choose "Refresh". The dot should turn yellow and start moving, indicating that Google Earth is trying to load data.

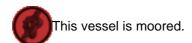
If the dot turns green afterwards, everything is in order and you should be able to continue working. If the color returns to red though, your Google Earth File is probably invalid. In this case please download a new Google Earth File.

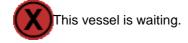
3.5 Legend

In Google Earth vessels are represented using symbols. These symbols indicate the current state or a vessel.



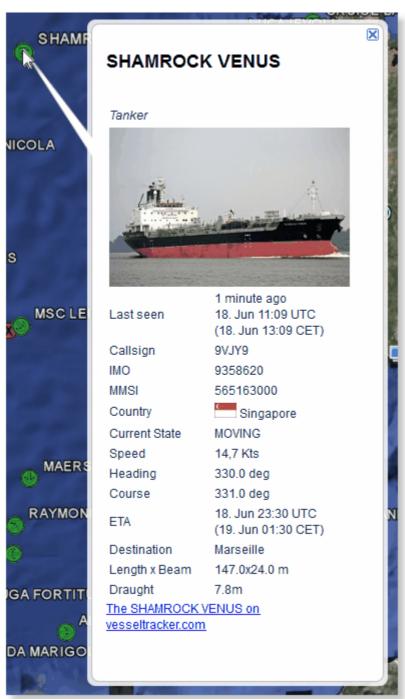








Clicking on a symbol will open an information sheet which displays additional data about the respective vessel.



An information sheet in Google Earth



3.6 Ship search

If you are looking for a specific vessel in Google Earth, either use the shortcut "Ctrl + F" or choose "Edit" and "Find" in the main menu. A search window will be displayed in the side bar below "Places".



The search field in the sidebar

Enter the name of the vessel you would like to find into the field. You can enter only part of the name, too. The two arrow-icons enable you to switch between all found matches for your search term. Please keep in mind that Google Earth can only find vessels which are actually loaded. If you are unable to find a certain vessel this can have various reasons.

First check you <u>settings</u> wether you are loading all vessels in Google Earth or only a fraction of the available vessels. If you are only loading a fraction of the available vessels, Google Earth will only be able to find vessels which are either within the displayed map section or close to it.

If you are loading all vessels and still cannot find the vessel you are looking for, then this probably results from the vessel being currently out of any region covered by vesseltracker.com.

3.7 Problems with Google Earth

The vessel names appear twice or more often in Google Earth!

Your Google Earth file has been <u>opened</u> multiple times. In the "Places" part of the sidebar you should be able to locate multiple instances of folder containing vesseltracker.com data (e.g. vesseltracker_xxx.kmz oder vesseltrackerlight.kmz). Please remove all of these files besides one.

Why can't I see any vessels at all in Google Earth?

To use Google Earth for AIS tracking with vesseltracker.com you need at least version 4! Please check which version you have installed and update if necessary. You can find a function for automatic updates in the main menu under "Help" and "Check for automatic Updates".

I cannot see vessels when starting Google Earth!

Your Google Earth File may have become invalid, because you <u>downloaded</u> a new one. To receive a current, valid version, remove all old occurrences of "vesseltracker ..." from

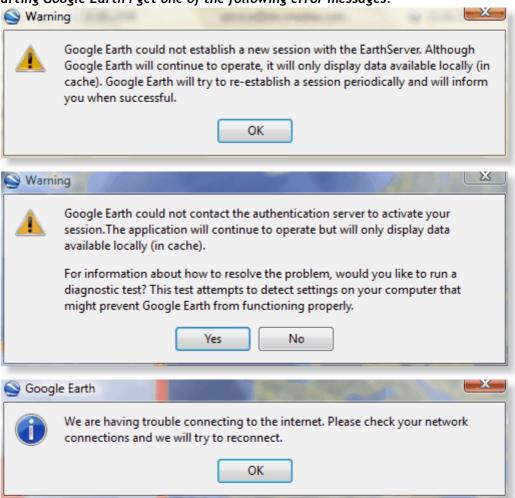


"Places" in the sidebar, close Google Earth and download a new Google Earth File.

Google Earth is working very slow!

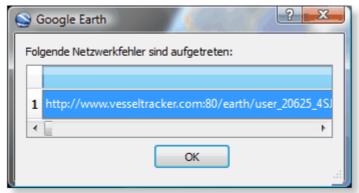
Since Google Earth is rather demanding on the hardware resources, there are various option to increase the speed. For example you can reduce the number of vessels being loaded in the <u>settings</u> and thus also reduce the amount of memory needed. Should you be dependent on loading all vessels, there are other ways to improve the performance. In the main menu under "Tools" and "Options..." you will find a number of settings which can help increase the speed. Try reducing the "Texture Colors" and the "Terrain Quality". A change of "Graphics Mode" might also improve the performance.

When starting Google Earth I get one of the following error messages:



Probably your internet connection is disconnected. Please close Google Earth, <u>check your internet connection</u> and restart Google Earth. If the connection is working correctly, the error message should not be displayed again.





This error message can have different reasons:

- Your internet connection is disconnected
- The vesseltracker.com server is currently unavailable
- · Your Google Earth File is invalid

Please <u>check your internet connection</u> first. If this is working then proceed by trying to load <u>www.vesseltracker.com</u> in your webbrowser. Should this be working, too, then your Google Earth File is probably invalid. Please download a fresh <u>Google Earth File</u>.

4 Mobile

You can also use vesseltracker.com on your mobile phone. For that purpose you need a web compatible phone. To access vesseltracker.com with your mobile phone, please enter the following address in your phone's web-browser:

mobile.vesseltracker.com

You will reach the login site:



portal.

The login-screen of the vesseltracker.com-mobile

Your username and your password are the same as on our <u>website</u>. After the login you will immediately reach the the <u>portlist</u>.

Note: After logging in bookmark the URL in your favorites. On your next visit with your mobile phone you will be automatically logged in and you will not need to log in again.



4.1 Header and Footer

In the mobile services' header you will find a couple of tools to help you deal with the services successfully.



Below the logo you will see three links. "Home" brings you to the <u>port</u> that you have set as your homeport in the <u>settings</u>. If you click on "<u>portlist</u>" you can choose any available port.

Below these links you will find a search field. If you enter a vessel name into this field and click on the magnifying glass, you will see a list of all vessels whose name matches the entered term. If there is only one vessel matching your search term, you will be directly forwarded to the ship page.

To help you move faster through our mobile presence, the system will save the pages you have visited the most recently. You will find these pages below the search area. Click here to reach your most recent port, the last viewed map or the latest vessel as quickly as possible.

The footer combines a link to your homeport or the <u>portlist</u> with other useful links. From this point you can directly reach your favorite <u>vessels</u>, your <u>alerts</u> or change your mobile <u>settings</u>.

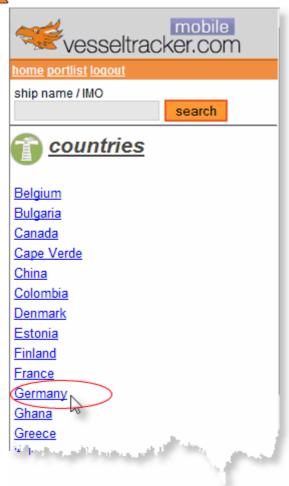


4.2 Portlist

On this page you will find an overview of all countries in which vesseltracker.com can show you vessel positions. Choose a country-name to see all available ports in that country.

You can always access this view by clicking "Home" in the header area. If you have chosen a homeport in the settings, then you can access this view by clicking on portlist.



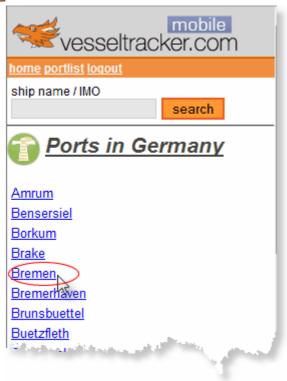


Click on "Germany" for example to see all ports in

Germany.

If you have chosen a country you will see an overview of all available ports in this country. Click on a port name to go to a detailed view of that port.





Click on "Bremen" for example to view the traffic in the

port of Bremen.

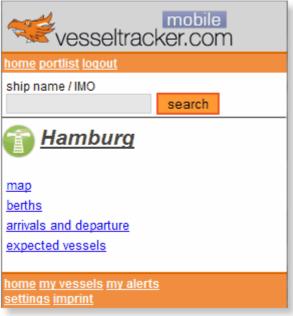
4.3 Port page

For every port there is a central page from which you can access all different overview pages.

The following detail pages exist for every port:

- Map (Map view of the Port)
- Berths (List of all existing berths and the number of vessels moored at each berth)
- Arrivals and Departures (Overview of the most recently moored and unmoored vessels)
- Expected Vessels (List of all vessels heading for this port and their expected time of arrival)





A detailed view of the port page for the port of

Hamburg.

Map

The map view is split in two parts. In the upper part you will find the name of the port and the actual map.

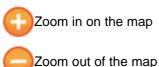


On the map the vessels will be displayed as colored

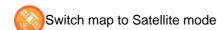
icons.

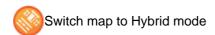
On the edge of the map there are arrows you can use to move the map section. Additionally there are five icons which you can use to alter the map views.



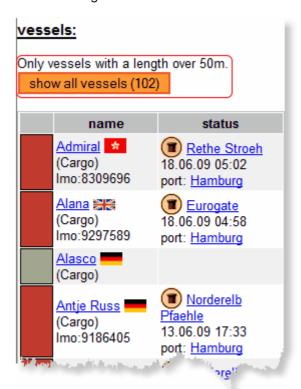








The bottom part of the map page contains a list of all vessels currently in the visible map section. Depending on the size of the map section vessels will only be shown down to a minimum length. The list can be configured to either show the vessels visible on the map or all vessels available in the region. To change the number of displayed vessels use the orange link you see between the minimum length and the list of vessels.



Click on the orange link to adjust the number of listed

vessels.

In front of every vessel name you will find a color-coded area which will quickly tell you the vessel's status. There are four different codes for this area:

- Blue (The vessel is moving)
- Red (The vessel is moored)
- Orange (The vessel is anchoring)
- Gray (The vessel is waiting)





For every vessel you can find the name, the flag under which the ship is sailing, the ship type, the IMO-number and a status field, whose content depends on the vessel's current state, in the list.

Depending on the state of a vessel the illustration in the status field will vary. A circular icon displays the state:

The vessel is moving

The vessel is anchoring

The vessel is moored

The vessel is currently not moving

If available the speed and draught are displayed in addition to the direction of a moving vessel. For moored vessels the time of mooring as well as their current port are displayed. For anchored vessels their roadstead will be shown.

Please note that this information is read directly from the vessel's AIS signal. This means that due to errors and connection problems some information may not be available.

Berths

Here you will find an overview of all berths in a port as well as the number of moored vessels per berth.



Clicking on a berth will forward you directly to the <u>map</u> for this berth. The structure of a map page for a berth is identical to that of a port's map page.



Arrivals and Departures

Here you will find the vessels which have recently moored or unmoored in a port ordered by time.



and the berth.

The names are linked to the ship page.

In addition to the times you will see the vessel's name



Expected vessels

A list of all vessels heading towards the chosen port and their expected time of arrival.



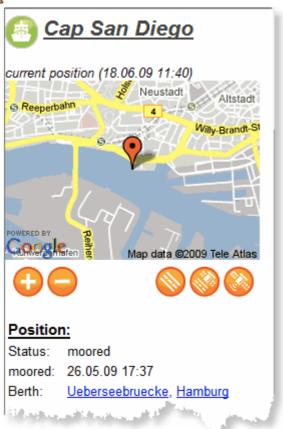
The names are linked to the <u>ship page</u>. Additionally you will see the ship type, the IMO-number and the flag under which the ship is sailing.

4.4 Ship page

For every vessel there is a central page where you can find all available information.

If the vessel is currently moving in a covered region, you will see a map of the current position. Additionally all available information is displayed below the map, for example the speed and direction for moving vessels or the time of mooring and the berth for moored vessels. Should a vessel currently be moving outside of any covered region and an older position is available, then the last available position will be displayed.





You can zoom the map in or out using the "+" and "-" buttons. Clicking on the map will directly forward you to the <u>map page</u> for the respective area.

If there are photos of the vessel in our database they will be displayed below the positional data.



You can use the arrow-buttons to navigate through the pictures. Below each photo you will see the photographer and the number of available pictures for this vessel.

Below the photos you will find additional data for the respective vessel as well as the option to add the vessel to your <u>favorite</u> vessels, create an <u>alert</u> for the vessel and view the last berths of the vessel.





If you click on "last berths" the details above the ship's data will be hidden and a list of the last known berths will be shown below the ship's data.



The link "back to details" will show the normal ship page again.

4.5 My vessels

If you are regularly following specific vessels you can add these to your favorite vessels. Under "My vessels" these can be found at a glance.

Note: The contents of "my vessels" is the same in the mobile services as on the <u>website</u>. So if you are planning bigger changes it might be advisable to do them on a regular computer.





Click on "edit" to add or edit a commentary for a vessel.

For every vessel you can find the name, the flag under which the ship is sailing, the ship type, the IMO-number and a status field, whose content depends on the vessel's current state, in the list.

Depending on the state of a vessel the illustration in the status field will vary. A circular icon displays the state:

- The vessel is moving
- The vessel is anchoring
- The vessel is moored
- The vessel is currently not moving

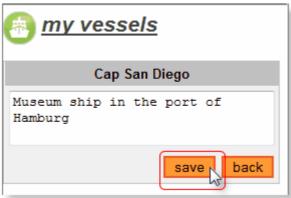
If available the speed and draught are displayed in addition to the direction of a moving vessel. For moored vessels the time of mooring as well as their current port are displayed. For anchored vessels their roadstead will be shown.

Please note that this information is read directly from the vessel's AIS signal. This means that due to errors and connection problems some information may not be available.

If there is no current status information available, because the vessel is not moving in an area covered by vesseltracker.com, the field will be empty.

Additionally you can save a commentary for every vessel. To do this click on "edit" below the vessel. A text window will open in which you can enter your commentary.





Click on "save" to save your commentary. "Back" will

return you to "my vessels" without saving any changes.

If you are not following a vessel anymore, you can remove it from your favorites list by clicking "delete".

4.6 My alerts

Alerts are offering you the option to be automatically kept up to date on vessel movements. As soon as a ship enters or leaves a predefined area you will be informed via e-mail or SMS message. To create and edit alerts login to our website and choose "My Vesseltracker" and "My Alerts" afterwards. You will see an overview of the alerts you have created.

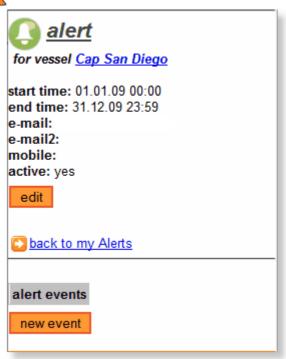
Note: The contents of "my alerts" is the same in the mobile services as on the <u>website</u>. So if you are planning bigger changes it might be advisable to do them on a regular computer.

Under "my alerts" you can find all alerts you have created. To create a new alert, please use the ship page. On this page you can edit or delete existing alerts.



Click on "edit" to change an existing alert or add new events about which you would like to be informed to an alert. Additionally clicking on "edit" will show you an overview of all the events you have already created for an alert.



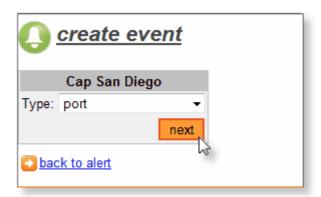


You can define a start and end time for an alert, deposit up to two e-mail addresses and a mobile number which shall be notified and activate or deactivate an alert. To change these settings click on "edit".

In addition to the general information for an alert you will need to define events on whose occurrence you would like to be informed. Click on "new event" to create a new event.

Creating an event is a step by step process. Please choose a type of event first. You can choose between:

- Region (A vessel enters or leaves a region)
- Port (A vessel enters or leaves a port)
- Berth (A vessel is berthing at or casting off from a berth)
- Waypoint (A vessel passes a waypoint)



Click "next" when you have chosen a type of event.

Depending on the type of event you have chosen you will need to define further settings.



For a region:

- The region
- · Entering or leaving

User manual

For a port:

- The country
- The port
- · Entering port or running out of port

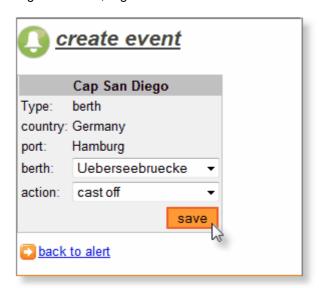
For a berth:

- The country
- The port
- The berth
- · Berthing or casting off

For a waypoint:

- The country
- · The waypoint

Note: If you would like to be informed about entering and leaving a region, you will have to create two events. You cannot combine leaving and entering in one event. An alternative is to choose a waypoint at the regions border. This way you will be informed whenever the vessel passes the regions border, regardless of it's direction.



Once you have chosen all the necessary settings for an event, you can click on "save" to add the event to your alert and return to the overview.

4.7 Settings

Here you have the option to edit the settings for your mobile services.

You can choose your preferred language and your timezone.

Note: Choose your timezone by selecting a city whenever possible.





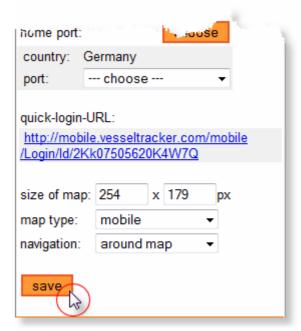
Use the drop down menus to choose your preferred

language and your timezone.

You can define a home port here. You will be automatically forwarded to your home port whenever you login to mobile.vesseltracker.com and you can always reach the home port's page by clicking on "home" in the header. If you are regularly using a port you can spare the detour via the portlist this way.



Click on "choose" to start the choice of your home port. Then select the country of your desired home port from the drop down menu and click on "next".



After selecting a country choose the port from a second drop down menu and click on "save".

The quick-login-URL forwards you directly to your home port bypassing the login screen. Bookmark this URL in your mobile phone's browser so you will not have to login again in the future. **Please keep in mind** that this will only work when you are using a specific mobile phone. When you are using a different phone you will have to enter your login data again.



You can also change the **size of the map** in the settings. Since the ideal display can vary greatly between different phones, you should experiment which values will suit you best.

The drop down menu map type defines your default view for mobile maps. You can select:

- Mobile
- Roadmap
- Hybrid
- Satellite
- Terrain

In addition to the default map type you can place the **navigation** icons either around the map or below the map.

5 Premium Services

At your request we can offer various additional services. Among other things:

GAT-Ship Integration

The GAT-Ship Operation and Quality Program is a well-proven planning, management and documentation program. It is created and developed especially for Ship Agents in order to economise, standardize and systematize all port call routines.

The Program reduces time-consuming office work to a practical minimum by reducing paperwork and by implementing standardized computer procedures. Information is entered only once, for use in various documents and e-mails. Document handlings therefore become easier and far more reliable. At management level, the system includes an overview of statistics and business activities.

Authority Integration

Interfaces and traffic data from public authorities and Port Authorities

Long Term Tracking

No data is lost. When a vessel's position is recorded by our AIS network, then you will be able to find it years later in our archives. Thus you cannot only access the current position but also a constantly growing number of historic positions.

Statistics

Analysis of arrival times and lay days, traffic density measurements, special statistics.

XML Webservices

Comprehensive webservice options to view and process traffic data in other software systems.

Customs duty and hazardous materials declaration

Declaration of customs duty and hazardous materials for various third party systems.