

Free Vehicle Tracking in waterway usage



Official report about GPS tracking in shipping sector

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In brief about sailing

Water transport - one of the forms of transportation. Means, in particular, the transport ships, for commercial purposes, passengers and cargo, by the waters of the sea or inland. For the transport of goods using multiple specialized vessels: bulk carriers, general cargo ships, container ships, oil tankers, chemical tankers and others. Passenger represent a negligible proportion of the overall transport of people, and this is due to the long travel time. Only in certain regions of the world, for example in areas with highly developed coastline or island states, the important role of communication ferry.

Depending on the shipping business area can be divided into: maritime, coastal and inland.

Shipping is between seaports by means of specialized ships, such as:

- passenger vessels for the transport of persons
- RORO vessels for the transport of trucks and railway wagons with goods
- container for the transport of goods in containers
- gas tankers to transport various kinds of gas in various forms
- tankers to transport liquid goods, mainly petroleum products
- general cargo ships for the transport of goods calculated in units
- bulk carriers for the transport of bulk goods

Coastal shipping vessels grow with low navigability resulting from their design (small size, low immersion). Entities included in the fleet are called white fleet, and fall into the small passenger ships, both of a communication and recreation.

Little seaworthiness of these vessels is compensated diversity of the fleet: in its composition, you can find water buses, hydrofoils, small cruisers replicas of ancient ships or vessels famous stylized treatment of fishing boats . This type of navigation practice often tugs ocean . Not a result of their low seaworthy, but rather of policy owners and the area of their operation. A ship which coastal shipping has to meet lower requirements for equipment and minimum safe manning than a ship which sails internationally.

The concept of inland navigation is evolving and has never been legally defined. On the basis of the

Law of Water Rights inland waterway transport can be described as a so-called universal or particular form of water use, consisting of transport, transport of passengers and goods, fishing, trail maintenance navigable, operation aggregates, sport, recreation and tourism on the water, the supervision of water, water rescue training on the water, on the water gastronomy, hotel on the water, living on the water, on the water offices, workshops on water, bathing establishments using floating equipment with or without traction drive inland waterway called the ferry, hydrofoil or hovercraft, in waters that are called inland waterways, including such waters regulated, or other inland waters. In conducting the waterways linked to the concept of a river port, the trail navigable, transit depth.

When the activity is conducted outside of the waterways to be subject to specific regulation, which is the law on inland waterway, should only: transport, carriage of persons, cargo, fishing -profit, technical execution of the works or operation of aggregate deposits. Part of inland waterway transport, which we call water transport is the mode of transport, which the State has devoted special attention. The advantages of inland waterway transport meant that this type of transport should be promoted on the basis of the Law on Inland Waterway Fund and Reserve Fund . River transport is run by the operators of inland waterway transport, which are: the owner, the carrier inland waterways, inland ship's pilot, crew, shipyard.



Overview of vessels

The ship water - quite wide and not fully defined concept, narrowing of the vessel to determine such units, which can move independently, or, according to other definitions are used generally as a means of transport (self-propelled or not) . For example, within the meaning of international law of the sea route ship means any kind of water craft, including seaplanes, used or suitable for use as a water transport. The definition of a vessel is very general - it meets even the dugout and canoe, raft drifting but not anymore. The term also includes all kinds of barges, floating cranes and other handling equipment floating, floating docks being towed or when moving under its own power, dredgers, floating drilling rigs and other floating devices . Customarily ship called the larger units - above the yacht and boat.

The division due to used waters

- The basic division is distinguished ships inland and marine

The division due to immersion

Vessels, divided into ships above water, the buoyancy of the water is always greater than their total weight (own and load), and submersibles that can temporarily submerge completely under the water surface to the desired depth by adjusting the weight of the vessel by filling with water or emptying ballast tanks.

The division due to drive

- Rowing boats - moved by oars
- sailing vessels (sailboats) - discussed wind energy
- power-driven vessels - motor and turbine, and these are subdivided by type of thruster at
- paddle -powered ships
- powered ships screw

- jet -powered ships

The use of GPS transmitters in shipping

GPS transmitters are widely used in shipping. Ever since I started to use the GPS in areas of everyday life , GPS receivers have also begun to be used in shipping. Especially help in navigation . After a short time the GPS has become a standard on almost every, even the smallest craft . However, began to think of a solution that would help all users of floating units use the existence of satellites that determine the exact coordinates , in an even more favorable .

It turned out that the publicity tours all floating on the seas will bring huge benefits to all . Ships that sail the seas , then they may well be familiar with the route of other vessels. Publicity of these data and the ability to preview the route in real time render the safety of the waters would increase many times. It would seem that such extensive surfaces (after water occupy 71% of the planet) does not occur often in accidents. However, a common misconception . Often large transport ships or container ships are involved in accidents when the route coincides with the route of the second ship. There is always communication between the two is efficient enough to warn in time with each other.

The reasons why the route should be able to browse for the other are also more prosaic . Often, a family man who embarks on a long voyage , worried , not knowing where he is . She could disappoint communication or conditions do not allow for the implementation of appropriate devices. This can be useful also for example groups of local fishermen who want to get an idea of the situation, the deployment of vessels fishing.

Systems that allow you to save the route and view it in real time, often very expensive. Applications require complicated software and long-term and complicated installation. However, Free Car Track system allows you to transform an ordinary smartphone into a tracking device . Using the web application , you can view the route in real time , save it and keep it . Transparent representation of the data allows for easy and accurate data analysis.

[Possibility of tracking your yacht](#)

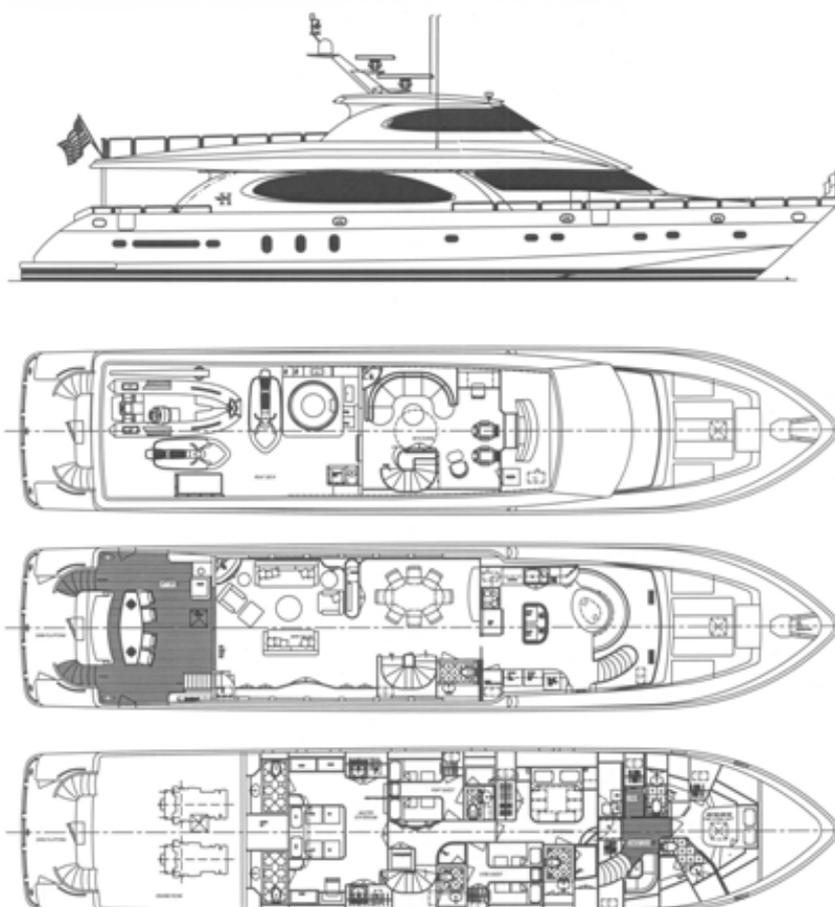
[How to track my motorboat?](#)

Installation on the deck

Installing the tracking device on board is one of two installation solutions. The advantages of this solution are clear. These include the ability to quickly exchange the device for a new one. You can quickly and easily get to it if you want to carry out any modifications. Unfortunately we have to reckon with the fact that if placed in this way, the transmitter can be serious mechanical damage caused by the sudden change of weather. You should try to get the appropriate protection of the transmitter in an effective way. Keep in mind the possible mechanical damage and humidity change, and others.

Installation under the deck

Installing the deck is not troublesome, but when you want to make some modifications to the transmitter, every time we go there. Sometimes it happens that the material from which it is made deck, interferes with the signal, but they are very rare. Cover with aluminum are able to negatively affect the signal, but they must be very large surfaces and flaps of considerable thickness. However, these disadvantages compensates above all very safe position transmitter. At this point, the smartphone is protected from sunlight, high temperatures, rapid temperature fluctuations and mechanical damage.



Software installation

Installing the application is extremely simple. Just download it from the Google Play Store and enjoy the installed software. Detailed information about an account and use of a Web application can be found here - [Configuration help](#)

[Application for tracking on Google Play Store](#)

