

Fleet Management Basic

This is a low-cost, fixed-price product. You receive two Automatic Position Reports per day. Your vessels' locations are shown on a static map. You can view the Fleet list to see your vessels' last reported positions, headings and postings.

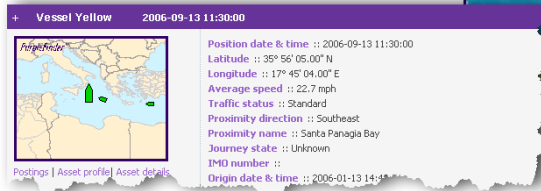
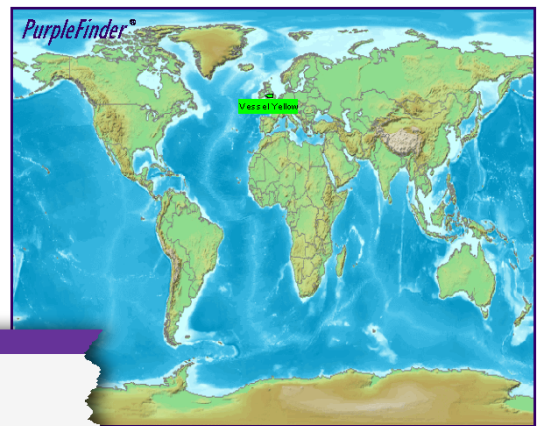
Customers who wish to track a vessel more closely while still maintaining a strict control of costs should purchase the Fleet Management Plus service.

Charges

There is a one-off fee for registering a transceiver on the Pole Star Fleet Management system.

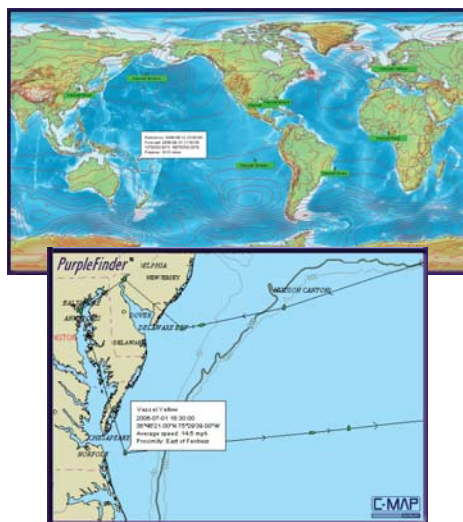
A single payment for 1 year's service. Unused portions of the service will not be refunded.

You will be sent a reminder to renew your service. If it is allowed to lapse, you will have to re-register the transceiver.



Fleet Management Plus

This is a flexible 'pay as you go' service. It enables you to monitor your fleet and the weather and sea conditions affecting each of your vessels. The service allows you to control the frequency of your automated position reports and, therefore, your costs.



Key features

- Choose your reporting interval: from 24 hours to 10 minutes to enable precise tracking
- View your entire fleet on the Fleet Map and by our unique Fleet List
- Click a vessel for its latest position report
- C-Map™ charts with zoom & pan functionality
- Weather forecasts
- Storm, cyclone, hurricane information
- Nearest port to vessel
- Master Login
- Ability to create standard logins which can access parts of the fleet e.g. by owner, type
- Position reports sent to you by email and SMS
- Messaging available with Inmarsat C transceivers

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Examples

Routine use

Your usual reporting interval is set to 6 hours (4 per day).

Fleet Management Plus shows a cyclone that is very close to the planned route for one of your vessels and you set the reporting interval to 1 hour. After 12 hours when the vessel is out of the danger area, you set the reporting interval back to 6 hours. During this time you have messaged the vessel twice via Inmarsat C to warn of the cyclone and informed the master of the latest reported strength and course.

The charge for the month is: 128 Credits for received position reports, 16 Credits for Set Reporting interval and 6 Credits for 2 Inmarsat C messages. To this is added the daily charge of 5 Credits making 300 Credits in total.

Emergency use

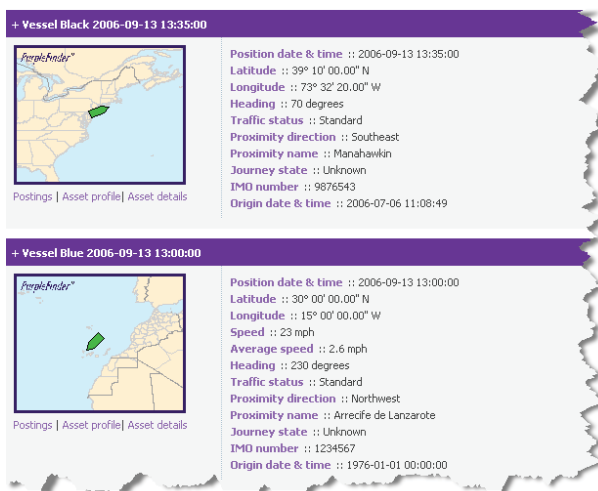
The master informs you that the ship has lost power when approaching a harbour. You zoom onto the vessel and Set reporting interval to 10 minutes. After 8 hours, the incident is resolved. The additional cost of monitoring this incident is 64 Credits.

Request position report

A vessel is running late for her scheduled arrival at the next port of call and you need to try to arrange another slot for her. In order to update the ETA, you need an instant position report so you request a position report (poll) from the vessel. The cost of this is 5 Credits.

Charges

The use of Credits allows you to budget while providing flexibility. Activities that incur a cost are charged in Credits. We provide a simple online report which allows you to track your costs and prompts you to order more Credits when you need them.



The screenshot shows two panels of vessel data. The top panel is for 'Vessel Black' on 2006-09-13 at 13:35:00. It includes a map of the vessel's location in the North Atlantic, with coordinates 39° 10' 00.00" N and 73° 32' 20.00" W. The bottom panel is for 'Vessel Blue' on 2006-09-13 at 13:00:00. It includes a map of the vessel's location near the Canary Islands, with coordinates 30° 00' 00.00" N and 15° 00' 00.00" W. Both panels list various parameters like heading, speed, and traffic status.

Your usage

Your usage	Credit Charge
Receive a position report	1
Request a position report (poll)	5
Set reporting interval	8
Inmarsat C messaging per 32 characters	3
Receive a position report by SMS	3
Daily service charge	5

Please contact Pole Star or your local Pole Star distributor for a free trial

There is a one-off fee for registering a transceiver on the Pole Star Fleet Management system. This is not charged again unless you run out of Credits.

The daily service charge is incurred from the day the transceiver is registered to the service.

Typical use is about 300 Credits per month and Credits may be purchased in packs of 900, 1800, 2700, and 3,600. You will receive a warning when you are running out of Credits.

Credits are not refundable and may only be applied to the transceiver for which they are purchased.

Fleet Management Feature Summary

Pole Star's Fleet Management system offers two service options to support the diverse requirements of the shipping industry. All packages support the use of Inmarsat C and Pole Star FM1 D+ transceivers. Fleet Management Basic is a fixed service for a fixed price. Fleet Management Plus allows you to manage your fleet while controlling your costs.

FEATURE	DESCRIPTION	BASIC	PLUS
PRICING			
Registration	A one-off registration fee	✓	✓
Fixed annual price	Includes 2 position reports per day for 1 year	✓	
Pay as you go	Purchase credits to pay for your use		✓
Free trial	Free commissioning of 3 vessels, each with 100 credits & cust. support		✓
HARDWARE OPTIONS			
Inmarsat C	The vessel's existing Inmarsat C transceiver	✓	✓
Pole Star FM1 D+	Dedicated Pole Star transceiver	✓	✓
CHARTS			
Fleet List	Latest position report data and map for each vessel	✓	✓
Interactive Fleet Map	Shows the position of your fleet on C-Map™ charts with zoom and pan		✓
Weather	10 day meteorological forecast and cyclone information		✓
POSITION REPORTING			
Automatic Position Report (APR)	A position report sent automatically at a fixed interval	2/day*	variable*
Set reporting interval	Ability to change the reporting interval		✓
Request a position report (poll)	Ability to send a signal to request a position report		✓
Overdue position reports	Receive warning if a vessel has not reported		✓
Position report history	View and download a vessel's position reports		✓
Enter position	Manually enter position reports		✓
TOOLS			
Postings	Display extra information (e.g. ETA) in a position report	✓	✓
Geo-zone alerts	Alert when a vessel reports a position in or out of a user defined zone		✓
Email notifications	Send position reports/alert to an unlimited number of email addresses		✓
SMS notifications	Send position reports/alert to mobile phone numbers by SMS		✓
Asset groups	Create groups of vessels, e.g. by type, size or trade route		✓
Traffic log	View and download a log of all communications		✓
MESSAGING			
Messaging	Messaging to and from the tracked Inmarsat C transceiver.		✓
USERS			
Master user	A username and password with full control of the service.	✓	✓
Standard users	The master user may create up to 10 standard users		✓
Assign vessels to user	For example by superintendent or by type		✓

Most Inmarsat C terminals are supported but users of older terminals are strongly advised to check the hardware compatibility list at <http://www.polestarglobal.com/hcl.html> before purchasing a Pole Star Fleet Management service option.

*Pole Star will use reasonable endeavours to track your transceiver and deliver your position reports. However sometimes this is not possible due to factors beyond our control, such as satellite communications failure.



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