



The main principle of Pay + Sail is to allow access to a full set of charts for viewing and planning without being charged for the chart cells.

The vessel is charged for the ENC cells once it navigates through them. Any charts viewed and not used are not charged for.

The vessel is supplied with an extensive set of cell permits and they are immediately available for use with the ECDIS.

As there is no need to order permits prior to route planning, safety and compliance on board are increased and administration is reduced.

In the event of a sudden or emergency change of route, Pay As You Sail will save you time and keep you compliant.

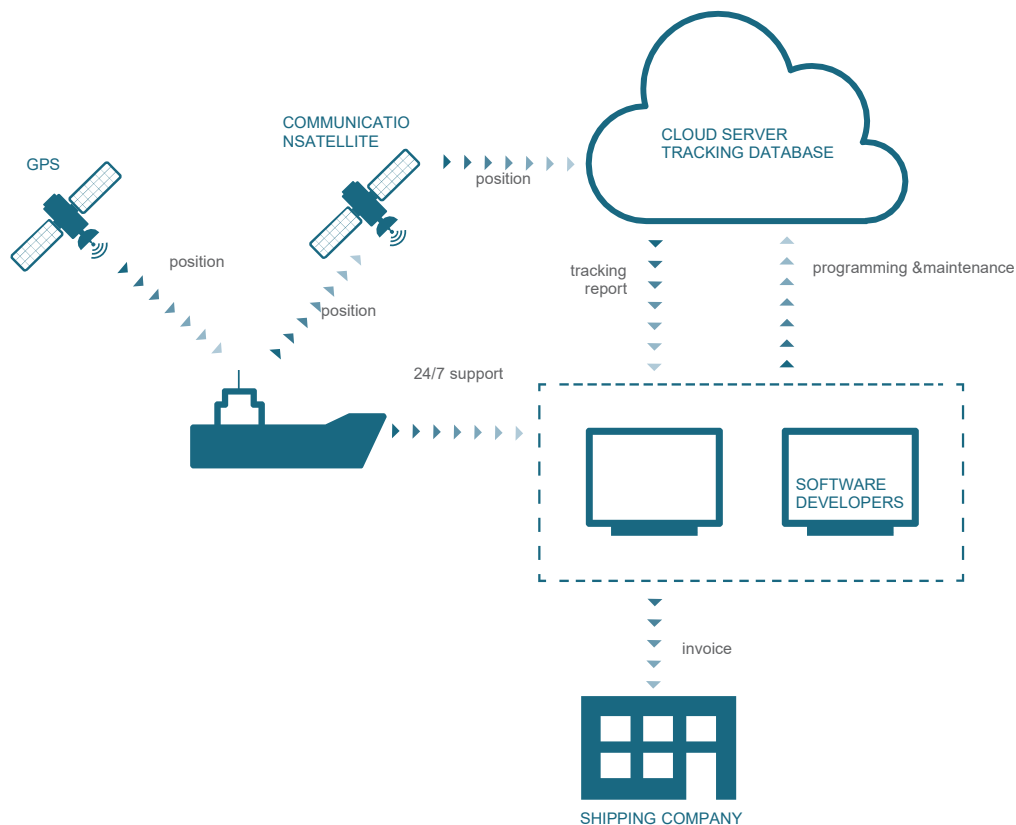
### The service

The Pay + Sail service is solely concerned with cell permit management. It is not part of any other system, e.g. the ECDIS, passage planning system, etc.

The service is totally independent of proprietary chart display or navigation technology.

Individual vessels are tracked and their positions determine which cells are being used.

When a vessel track crosses a cell, it is assumed that the cell is used for navigation and reported as such.



## Key features

Automatic ordering of charts

Full chart portfolio always on board

Works with all ECDIS types

Free viewing of ENCs

No installation needed

Plug-and-use antenna

No internet connection needed

Compliant in the event of emergency route changes

# Made easy

Pay + Sail uses shore-based vessel tracking and each vessel is supplied with a satellite GPS antenna.

The antenna simply needs a view of the sky and connecting to a 9-32V DC power supply. No other software or internet connection is required.

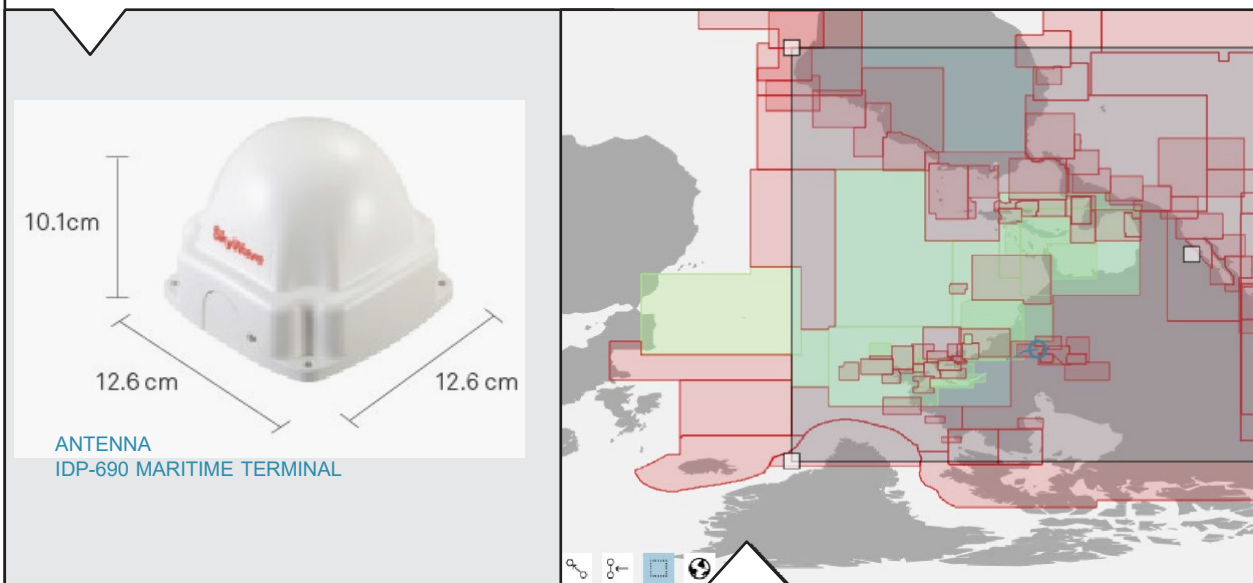
At pre-programmed intervals, the antenna transmits position reports via satellite (Inmarsat).

As the vessel position data becomes available, it is collected from the antenna and stored in a database.

The database is automatically analyzed and reported back to the ENC server or the shipping company.

Any existing ECDIS on the vessel can continue to be used as normal; and it will now have access to the full Pay + Sail portfolio of charts.

Pay + Sail can be used on ECS - Non-approved ECDIS as long as it is using ENC charts.



# Update for Pay + Sail

Update for Pay + Sail makes the updating of AVCS easy. It uses compression technology to significantly reduce the amount of data transferred.

