

# The first choice ENC service – used by the majority of ships trading internationally

## What AVCS customers say

“We had actually been using electronic charts for about 15 years... When the company heard about the ADMIRALTY Vector Chart Service we were interested, because it is an all-in-one system, which has obvious benefits.”

### Captain Pekka Hynönen

Master of the M/V Neste, Neste Oil

“Everyone in the company has been very positive about ECDIS and the benefits it brings us. We know we are safer now than we have ever been and our navigation procedures and our use of AVCS has a lot to do with that.”

### Captain Pär Brandholm

Laurin Maritime

“We use AIO as an integral element of our ECDIS-based navigation. The Information Overlay is making passage planning and the task of keeping track of the latest ENC updates much easier, and it will also make it easier for our crews to demonstrate compliance during PSC inspections. Overall, it has proved to be another important element in our efforts to continually improve the safety and efficiency of navigation.”

### Soren Andersen

Marine Superintendent, SQE at Nordic Tankers Marine A/S

## About us

The UK Hydrographic Office is a leading provider of global marine geospatial data.

We help to inform maritime decision-making for navigation, infrastructure development and the management of marine resources.

## Serving users worldwide

Our world-leading location based information is available through ADMIRALTY Maritime Data Solutions to users worldwide.

For more information, contact our global network of ADMIRALTY Distributors. Alternatively, contact our customer service team.




## UK Hydrographic Office

Admiralty Way, Taunton, Somerset  
TA1 2DN, United Kingdom  
Telephone +44 (0)1823 484444  
customerservices@ukho.gov.uk  
gov.uk/ukho

Find out more about our market-leading  
ADMIRALTY Maritime Data Solutions:

admiralty.co.uk    

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AVCS

ADMIRALTY  
Vector Chart Service



# The world's leading ENC service, helping bridge officers to navigate safely and efficiently

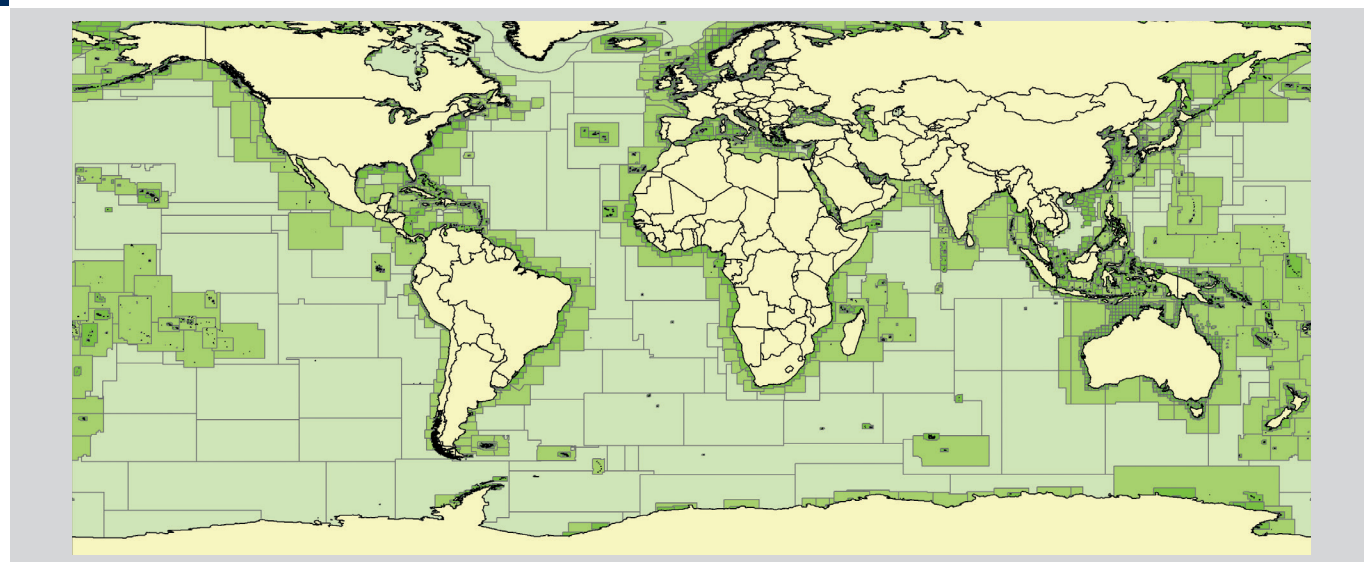
## Offering:

- › Global ENC coverage with more major routes and ports than any other competing service
- › Carriage-compliant ENCs with certification to aid Port State compliance
- › Operates on all ECDIS makes
- › Unique ADMIRALTY Information Overlay (AIO) for additional passage planning information
- › From 2022, updates will be more frequently available
- › Online version now available for shore-based activities



UK Hydrographic  
Office





Complete AVCS coverage

The ADMIRALTY Vector Chart Service (AVCS) is the most comprehensive, digital maritime chart service available; with around 18,000 Electronic Navigational Charts (ENCs) from hydrographic offices around the world, packaged and quality assured by the UKHO into a single value-added service

#### Why AVCS

AVCS helps your bridge officers to navigate safely and efficiently, and helps to keep your ships compliant with Flag and Port State Authorities.

Capitalising on the UKHO's expertise and position as a leading provider of nautical paper charts, AVCS also incorporates the unique AIO, helping to simplify passage planning.

#### More routes, more ports

AVCS provides the widest carriage-compliant coverage, allowing ships to navigate on ECDIS for the entirety of most major routes on a single chart service. AVCS also includes over 4,000 of the biggest and busiest ports, terminals and fields worldwide, of which we offer unique coverage for over 100.

#### Carriage-compliant ENCs

All ships using AVCS on board receive a UKHO certificate. This certificate confirms that all ENCs in AVCS satisfy the chart carriage requirements of SOLAS Chapter V, and can be used for local inspection.

AVCS meets the latest mandated data protection standards, S-63 Edition 1.2 from the International Hydrographic Organization (IHO). This helps to reduce the risk of both data piracy and the distribution of dangerous ENCs that do not comply with IHO standards.

#### Ongoing safety and compliance

All AVCS customers receive regular ENC updates. Installing the latest updates on a regular basis supports safe navigation and compliance with Flag and Port State requirements.

#### Optimised chart holdings

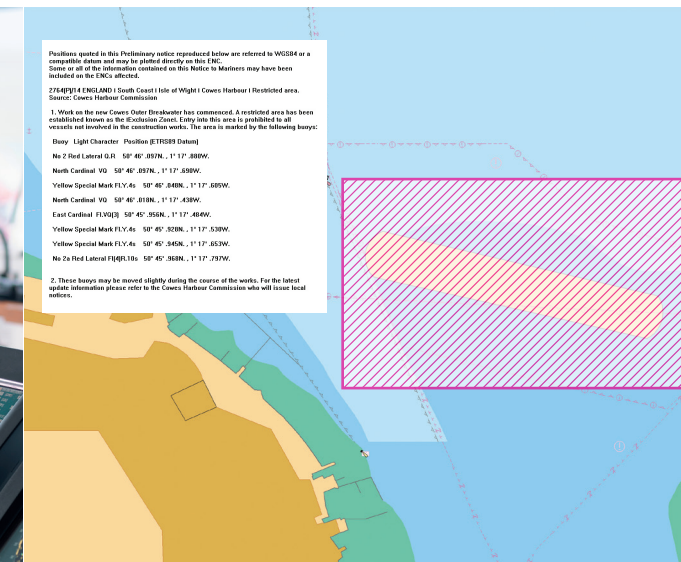
ENCs can be bought on an individual, chart-by-chart basis for precise coverage and voyage flexibility. Simply buy the licences to unlock the charts needed for a voyage – when and for as long as they are needed. Most ENC-issuing countries allow durations of 3, 6, 9, or 12 months.

Pay As You Sail (PAYS) licences are available, which provides low cost access to ENCs for planning purposes at any time, then automatic 3 month purchase when the vessel sails across them.



#### Compatible with all makes of ECDIS

AVCS is delivered in industry standard S-63 / S57 formats, guaranteeing compatibility with all type-approved ECDIS – even in a mixed fleet.



#### AIO for greater situational awareness

A real example of where the unique AIO is overlaid on top of an ENC, showing extra information for use in passage planning.

#### ADMIRALTY Information Overlay (AIO), unique extra navigational data

AIO aids navigators at the crucial passage planning stage.

It contains ADMIRALTY Temporary and Preliminary Notices to Mariners (T&P NMs) where the information has not been coded into the ENCs by the producer. AIO also includes ENC Preliminary Notices to Mariners (EP NMs), which highlight navigationally significant differences between ENCs and ADMIRALTY paper charts.

AIO can be displayed as a single layer on top of ENCs on the majority of ECDIS currently being sold, and also on back-of-bridge software. All AVCS customers receive the unique AIO at no extra cost.

#### AVCS Online:

**A shore-based version of the world's leading maritime chart service that is used on-board most ships trading internationally.**

- › Supports shore-based maritime decision-making including vessel tracking, planning and responses to accidents and emergencies
- › Can be used by shipping companies, government agencies and other professional users who need a shore-based version of AVCS
- › Provides world-leading coverage, including all available scales just like AVCS used on ships
- › Has similar functionality as ECDIS, including pick reports where you can select a feature for more information
- › Can be integrated into existing systems as a standalone chart solution, or as a base layer with other data layers added
- › Uses internationally recognised Open Geospatial Consortium (OGC) standards and internet-accessible Web Map Service (WMS) protocols

