NaviGate
by CAIM

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NaviGate is the most effective and cost-efficient means to bring official electronic charts to your ECDIS with a host of features to enhance your vessel and fleet safety at sea.

Main Features

Planning

Weather

NavArea

AENP & ADP

Pay as You Sail

Route Optimisation

MRV Reporting

Outfit Management

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Planning

AVCS — ADMIRALTY Vector Chart Service

NaviGate is a perfect complementary planning station to your ECDIS. Displaying all necessary data, the navigator can plan a route according to ECDIS requirements and order all navigational data necessary for a safe and compliant voyage.

» Route planning on official charts

» Overlay with ADMIRALTY Information Overlay AIO

» Route checking and danger highlighting along the route

» T&P Layer built from weekly paper Notice to Mariners

» Charts and publications under the route

» Vessel position displayed on the chart

» TotalTide integration

The NaviGate Voyage Planning module streamlines passage planning for the crew and produces a printable voyage plan in minutes. It takes in account:

» Minimum chartered depths and CATZOC corrections from official installed ENCs

» List of dangers from official installed ENCs

» Under Keel Clearance, airdraft and squat calculations

Weather

NaviGate provides 6 day weather forecasts in high quality data delivered by EPSON. You will receive the following parameters:

» Wind (speed and direction)

» Total Waves (speed, direction and period)

» Swell (speed, direction and period)

» Pressure

» Sea Temperature

» 500hPa Geopotential height

NaviGate also provides operational JCOMM official bulletins for each MetArea region, with the most relevant forecast information, useful for navigators and Officers in daily operations.

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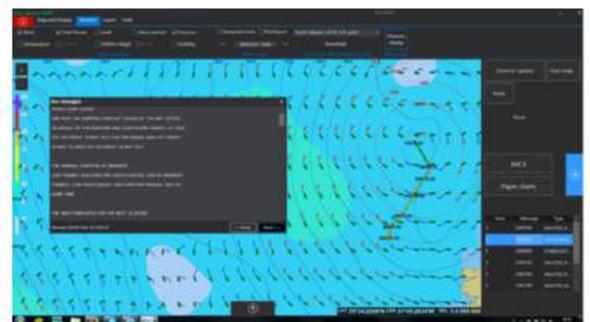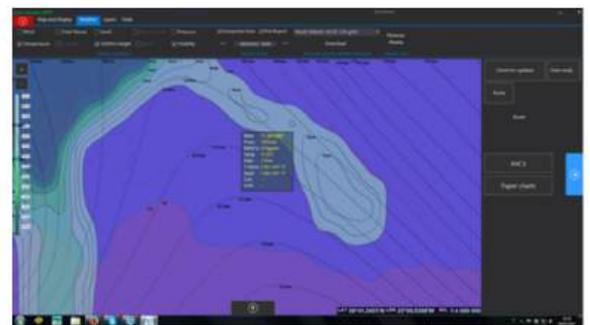
NavArea

This feature allows the user to reduce their workload. All Navarea warnings are available through NaviGate, displayed in a user friendly interface. Geo-referenced warnings are displayed on the map and a collection of them are visible in a separate table.

The user can select them on the map and check required information for the voyage.

ADP & AENP - Official Services

TotalTide Overlay:

Available when ADMIRALTY TotalTide is installed and activated on the user's PC, this overlay gives all relevant information for passage planning, such as:

Maximum / minimum tide levels for main and secondary ports

Rates and direction of streams

AENP READER WITH UPDATES

AENPs can be viewed and updates can be received into NaviGate by e-mail or internet to keep your electronic ADMIRALTY Publications up-to-date.

PAYS - Pay As You Sail

Approved by the UKHO and all Flag State registries, PAYS provides an effortless means of navigation for the mariner. The vessel will be provided with a full AVCS PAYS Folio worldwide license, where all the charts of the world are included, with the exception of a few Far East Hydrographic Offices not subscribing to PAYS.

These charts will be installed into NaviGate where the Navigator can select the geographical area they need so as not to overload the ECDIS with excessive data.
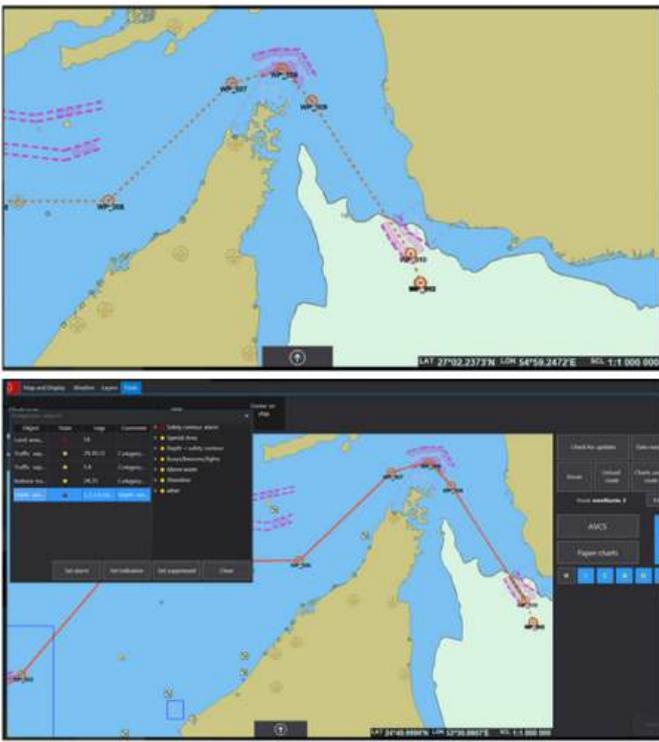
Route Optimisation

NaviGate can help you to plan the best route according to latest information available. This feature can help save time, fuel consumption and provides an optional auto-calculated route which will consider the following factors:

» Safety Parameters

» Weather Forecast

» Fuel Consumption

MRV Reporting

According to the EU, monitoring, reporting and verification of CO_2 emissions regulations, all vessels with gross tonnage above 5,000 MT that are calling into EU ports, must monitor and report the mileage and fuel consumption. NaviGate MRV module simplifies the required data collection and produces a report in digital format compatible with the THETIS MRV Portal.
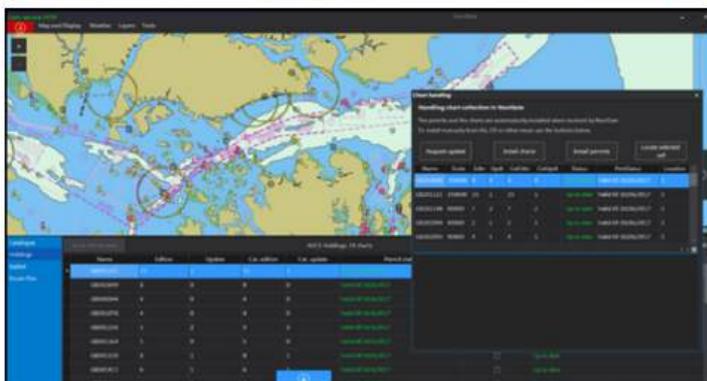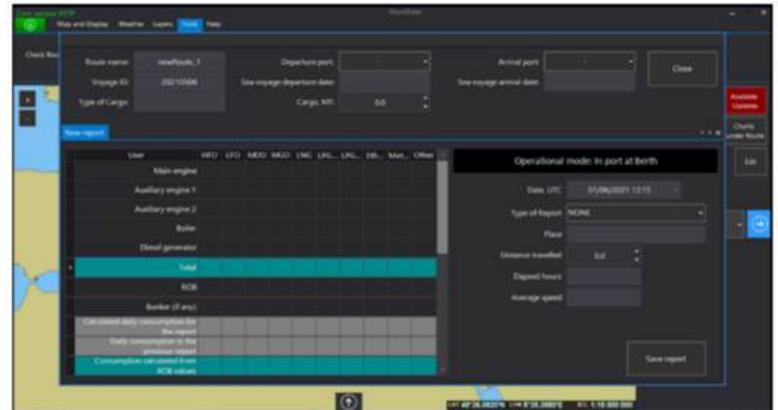
Outfit Management

NaviGate provides the navigator with features to manage and display most of the required navigational data for a safe and compliant passage, including:

» UKHO Digital Publications Updates (ADP & AENP)

» On Board Outfit Management System

» Online AVCS Ordering and Updating Service

» Online Paper Charts Updating Module

» ISM Reports Module

» UKHO Publication Corrections

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Hardware Options

NG St·ck

Simple, secure chart updates from a single device

NGStick is a USB-based chart update solution that keeps your AVCS permits and global chart databases onboard up to date. By combining all essential data in a USB, NGStick makes ECDIS updates fast and easy without complex procedures. Along with NaviGate software it supports both AVCS and AIO databases, giving you one reliable source for the latest navigation data.

»»» Holds your AVCS permits and worldwide database

»»» Includes AIO database for full coverage

»»» One source for ECDIS updates

»»» Simple plug-in USB device

OR

NG Box & NGLinq

Secure updates - Seamless navigation

NGBox and NGLinq work together to deliver a fully secure, automated chart update solution onboard. NGBox acts as a dedicated onboard chart server, securely syncing with shore-based databases while restricting all external access. NGLinq then wirelessly transfers updated AVCS data directly to the ECDIS planning station, removing manual handling and protecting system integrity.
Together, they ensure your fleet remains compliant, up to date and protected without exposing onboard systems to cyber security threats

»»» Dedicated onboard chart server with firewall-restricted communication

»»» Automatic AVCS and AIO database updates

»»» Secure Wi-Fi transfer to ECDIS via NGLinq

»»» No direct internet connection to ECDIS systems

Stand alone mini PC   WiFi Router   USB receiver for ECDIS

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