Navi-Planner 4000 sets a new standard for safe and efficient voyage planning. This innovative solution from Transas provides a single access point for all information needed by the navigation process at every stage.

During development, Transas worked closely with oil company vetting-inspectors, ship owners and navigation officers to make voyage planning easy for navigators and efficient for ship owners.

Navi-Planner 4000 complies with IMO 232/A10.1 as a Route planning tool and partly with IMO A.893(21) as a Voyage Planning tool.

NAVI-PLANNER FUNCTIONS

Navi-Planner 4000 is recognized as the ECDIS market’s most powerful charts management application, and also boasts a set of databases, applications and services intended for voyage planning. Suitable both onboard as a ‘back of the bridge’ application, and ashore as a management tool, Navi-Planner 4000 software creates a voyage plan using an electronic route editor. Key features include:

- Port to port planning of a complete voyage plan
- AtoBviaC auto routing
- Under Keel and Over Head Clearance
- Route checking – Reference point selection
- Reporting points – Warnings along the route
- Chart listings for both (S)ENC and paper charts
- Publication listings for Admiralty Digital Publications (ATL, ADRS v2 and v6, ADLL)
- Ports list and very detailed information about ports
- Detailed voyage plan reports
- Route export/import from various ECDIS formats
- Integration with Navi-Sailor 4000 ECDIS
- Online correction service for paper charts and publications via TGT Services
- MARPOL and Routeing Charts service.
APPLICATIONS AND SERVICES

Auto route with AtoBviaC distance tables

‘AtoBviaC distance tables’ offer a unique and powerful tool for basic route planning. The routes are based on BP Distance Table and can be used for quick distance calculation, chart selection and as a basis for detailed route and voyage planning within Navi-Planner.

Weather functionality

The Weather Functionality assists the mariner in making the best voyage planning decisions in relation to weather conditions. The data includes air pressure, wind and wave forecasts but also tropical storm forecasts, temperatures, precipitation, ice limits and much more.

Chart ordering and management

Navi-Planner can either be used for pre-licensing charts or as a Pay as You Sail (PAYS) service. If pre-licensing is used, the selection of charts to order can easily be made by a created route or a route loaded from the Auto Route function. During the preparation of the order a selection of licence period can be made and the approximate cost of the order will be indicated. Once the charts are received and installed, Navi-Planner will display a status report and then synchronise the data to any other workstation within the network.

As this software is type approved and installed in the ECDIS network, there is no need to transfer any data on USB sticks between the communication PC and the ECDIS on the bridge. If PAYS is used, a licence holding all available PAYS SENCs/ENCs is generated and only charts that have been used for navigation will be charged.

Correction and management

As part of the chart management functionality in Navi-Planner, chart corrections can be ordered, installed and recorded both for SENCs and paper charts. It is imperative for the Master to always maintain full control and overview of the vessel’s chart holdings and to show them to authorities and inspectors.

Navi-Planner is capable of everything from basic and simple route creation to full ‘track control level C’ planning, as well as route checking and ‘Under Keel Clearance’ (UKC) calculations based on set ships and safety parameters.

Overlays

Overlays functionality provides a comprehensive picture during voyage planning process. With overlays such as Mariners’ objects (MAPS), Admiralty and Piracy Information Overlays, Admiralty Digital Publications, Ports, Weather, Tides and Currents, voyage planning becomes safe and efficient with all information available for extended passage plan.

Admiralty Vector Chart Service (AVCS)

By utilizing Navi-Planner 4000, end-users can get direct access to AVCS licenses, updates and datasets. This means that Navi-Planner 4000 can work with other ECDIS brands.

AVCS data from the UKHO will be delivered via the Transas Chart server just like weather, Admiralty Information Overlay, and other data. Furthermore, this opens new possibilities for vessels operating a mixed bridge with, for example, Transas ECDIS in combination with a Chart radar from a different manufacturer.

Onboard data server

By means of ship-to-shore connection through Transas Gateway and protected internet capability, it becomes possible to have an Onboard Data Server on a vessel which is linked to the main Transas Data Server. With the Onboard data Server vessel’s charts (TADS) will always be updated without a need for manual updates requests.

MARPOL

MARPOL is integrated in Navi-Planner as an overlay covering the whole world, and includes requirements and rules from Annex I (OIL), Annex II (NOXIOUS liquid substances), Annex IV (SEWAGE), Annex V (GARBAGE) and Annex VI (AIR Pollution).
SEE JUST HOW EASY IT IS...

Route creation
Start the planning by creating a route.
The Auto route functionality will assist you with a ready route from port to port within seconds.

Weather routing
Let the Navi-Planner 4000 optimise the route based on predicted weather along your scheduled route.

Chart admin
You’re in control with all the charts and updates required for the intended voyage, with just a few clicks within the program.

Fine tune and adjust
Now that you have all the charts, updates and a weather-optimised route, don’t forget to adjust your route for navigational hazards and traffic separation schemes etc.
Check route/schedule calculation

Run the check route and let the program point out any potential danger along your route. Go through and correct the alarms one by one; it couldn’t be simpler.

Maps/additional info

Use the various overlays available to add and present additional information on the charts.

Data collection/check lists

Let the program collect the data for your voyage, such as Under Keel Clearance, weather and charts, publications, ports, risk of piracy, and present this in the passage plan report. Checklists used on the bridge before, during and after the voyage can be implemented as part of the voyage plan. During monitoring OOW will be notified by ECDIS when a check is due. Actions are recorded in the Electronic Logbook.

Print reports

Report content can be adjusted to your needs.
WHY CHOOSE NAVI-PLANNER 4000?

- The market’s fastest and most powerful chart management application
- Everything you need for voyage planning and navigation management
- Digital services managed in one application
- Built-in paper chart and publication corrections
- Full voyage planning, port-to-port and berth-to-berth
- Developed through co-operation with customers and authorities
- Made to support ISM procedures and bridge administration
- Type-approved and can be part of the ECDIS network
- Can be used as a part of bridge system with ECDIS from different manufacturers

I have worked with Navi-Planner for over a year now and I am more than pleased with the product. The menus and layouts are outstanding in comparison with other similar products. It is user-friendly and makes route planning easier than before.

When we are heading to a new destination I use the auto-route function and it gives me a good general view of the route in and out of the new harbours. The copy, cut and paste function is great, especially when working with waypoints and text files. Another thing that makes my job easier is the AIO layer, it is excellent.

I would definitely recommend Navi-Planner to all other seafarers out there. The program is easy to use and if there would ever be a problem the Transas support is great.

Daniella Andersson
2nd Officer M/T Alcedo
Crew Chart Shipmanagement
FAQ

Can Navi-Planner 4000 be used without Transas Navi-Sailor ECDIS?
Yes, the Navi-Planner 4000 can either operate as part of the Transas ECDIS network or as a standalone application, typically used onboard vessels running other brands of ECDIS.

Will the passage plan follow imo guidelines and be accepted by OCIMF*?
Yes, it will. The Navi-Planner 4000 was created from the point that it should fulfill the IMO Guidelines and the OCIMF recommendations.

Is Navi-Planner 4000 really free of charge?
Yes, the Basic Navi-Planner 4000 is free of charge.

Is it possible to import/export route formats to/from other ECDISs than Transas Navi-Sailor ECDIS?
Yes, the Navi-Planner 4000 can handle the route formats for import/export within ECDIS systems from the most common manufacturers. New formats are added to the list constantly.

Can the Navi-Planner 4000 present the status of all my charts along the route, both electronic and on paper?
Yes, it is capable of handling updates for electronic as well as paper charts, and it’s easy to generate a report of the status for all charts used for the voyage.

* OCIMF – Oil Companies International Marine Forum

'We have been using Navi-Planner for the past two years on our vessels Mid Fighter and Hegren. For office work Navi-Planner helps us in several ways, not only by the easy route planning but also with route checking. The vessel can send us an Excel sheet with waypoints and we can easily import this into Navi-Planner and check the route. On the vessel the human errors have basically been eliminated and the more the crew becomes adapted to ECDIS and Navi-Planner it becomes a part of their everyday life. We would certainly like to recommend the use of Navi-Planner to all seafarers. It is a fabulous system created to make life on board sweet and simple.'

Capt. Subramanyam
Fleet Management Singapore