TECDIS increases your safety while reducing your costs. TECDIS is developed based on extensive experience from users onboard fishing vessels, offshore vessels and deep sea merchant vessels. If your goals are reliability, quality and easy operation, we are convinced that you surely deserve a TECDIS.

**TECDIS**

Telchart ECDIS (TECDIS) fully complies with the latest standards and resolutions for paperless navigation set by IMO, IHO and IEC.

**Features of TECDIS**

- Automatic chart update via internet or e-mail
- Dynamic Licensing
- Easy voyage planning, with main and alternative routes
- Automatic anti-grounding system with selectable safety depth
- AIS and ARPA interface
- Advanced sensor filters
- Weather Routing
- Storage of tracks, symbols, objects and log files
- Advanced chart alarms with various settings
- Advanced user interface for chart presentation
- Advanced conning/docking pictures
- Automatic voyage replay
- C-routes, automatic route generation within 5 sec.
- Tidal currents etc.
- Options; radar overlay, tracksteering with adaptive trackpilot and conning
Approved by DNV according to the latest IMO standards

- TECDIS uses S-57 Ed. 3, S-63 and Jeppesen Marines CM-93/3 and ENC.
- All data are combined in real-time to generate world-wide coverage of charts.
- TECDIS can offer the highest degree of integration between ENC charts and commercial C-Map charts from Jeppesen.
- Updating of charts are done in minutes, by using Jeppesen Marine ENC data distributed in SENC format (all charts are converted ashore).
- DNV approved with internet connection for automatic chart update.

User-friendly TECDIS

Dynamic licensing
TECDIS support Dynamic Licensing from Jeppesen. Dynamic Licensing is a subscription agreement between the vessel operator and Jeppesen Marine that gives the vessel immediate access to ENC charts within the subscription area. The subscription incurs no immediate costs to the operator. Once the subscription agreement is active, the vessel ECDIS systems will provide immediate access to any ENC charts required within the subscription area, either for planning or monitoring. There is no need to enter any license codes.

Tailor-made voyage planning and chart display setup
Planning is more advanced than ever seen before, but even easier to perform. Individual settings for every lane, corridor width, turn radius and leg speed. Easy printout of voyage plan when connected to printer. TECDIS has a user selectable display setup, either S-52 or Int-1 presentation. Every navigator can select items to be displayed, such as safe depth settings, light characters, bottom information etc. All chart data is vectorized in layers, which can be selected on/off according to navigators preference.

Weather overlay
TECDIS has advanced weather overlay functionality, using top quality commercial maritime weather forecast data available as a subscription service from Jeppesen Marine. The weather overlay is fully customizable and includes both atmospheric and detailed wave data. The alarm feature allows intuitive and easy visualization of weather window and dangerous weather conditions.

Antigrounding system
TECDIS can apply automatic checks for the planned route according to route parameters, and also run automatic checks of water depth according to safe depth settings. All alarms are designed to be invisible when not violated.

Paperless navigation
When a dual-TECDIS installation is selected and ENC charts are available for the area, the vessel can sail without paper charts.
## Specifications

|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display unit | Hatteland MMD 19”  
Hatteland MMD 20”  
Hatteland MMD 23” |
| Operating system | Windows XP |
| Usable Charts | S-57 ed.3, S-63, CM-ENC and Pro+ CM-93/3 |
| Presentation Modes | True/Relative motion North-up, True/Relative motion Course-up, Relative motion Head-up, Relative Motion Route-up |
| Display of data | Own Ship: Position, SOG, COG, Heading  
Route: Planned Route, Monitoring Route  
ARPA targets: Range, Bearing, Speed, Course, CPA and TCPA  
Others: EBL, VRM, Cursor position |
| Route/Waypoint | Unlimited |
| Voyage Calculation | Can calculate Range/Bearing to destination, TTG, ETA |
| Route Navigation Monitoring | Off track, Waypoint, Arrival, Grounding, Depth |
| Alarms | Off track, Channel limit, Waypoint approach, Depth |
| Other Functions | Night/Day presentation, ARPA target display, Radar Overlay, MOB, Log book, Track Control Systems |
| Interface | Input/output: IEC 61162-2 (ABM,BBM) |
| AIS | Ethernet 100 Base-TX or RAW video |
| Radar signal | Input: IEC 61162-1 (HDT) |
| Gyrocompass | SDME (Speed log): IEC 61162-1(VBW) |
| EPFS | Echo Sounder: IEC 61162-1 (DBT, DPT) |
| Power Supply | Display unit: 100-230 VAC, 1 ø, 50/60 Hz  
Processor unit: 100-230 VAC, 1 ø, 50/60 Hz or 24 V CD |
| Equipment List | Standard  
1. Computer, HT C01  
2. Monitor, 19” JH MMD  
3. TECDIS keyboard, BTC-5100C  
4. TECDIS mouse, Mouse-track |
| The computer has a USB code plug attached to the back wall. This is the licence to the TECDIS program on the computer. There is also a bag with Jeppesen chart CD (Professional+ and ENC) and a TECDIS Service Key (USB stick). |
| Option | 1. Control Unit RCU-18 (Furuno ECDIS Keyboard)  
2. Cable for Control Unit 0359610, 1,5/10/20/30 m. |

Specifications subject to change without notice.