Aldebaran II is CNS Systems’ Electronic Charting System (ECS) software for use onboard vessels. Aldebaran II is designed with advanced navigation and communication features and is used by professionals worldwide.

ECS Solutions improve efficiency and safety in today’s fast-paced computer-aided navigation and situational awareness environments. Aldebaran II offers complete AIS (Automatic Identification System) integration with the ability to display static, dynamic, and voyage related information in real-time on a multitude of electronic chart formats. As well, the ECS has the ability to send safety related text messages to other aircraft, vessels and shore-based administrators.

Aldebaran II supports multiple chart formats simultaneously and includes real-time data logging and playback, administrative options, long range interface, support of TCP/IP communications, manual chart connections, route verification, critical points, multiple guard zones and SAR drift offset.

CNS Systems’ Electronic Charting System (ECS), Aldebaran II, is highly configurable to meet your needs while maintaining the consistent, powerful, professional utility you can trust.
Features & Functionality

- **Complete** Automatic Identification System (AIS) integration displayed on an electronic chart. Increases situational awareness and improves decision making leading to lower incident rates from grounding and collisions.

- **Seamless** display of chart formats: CM-93, S-57 and encrypted S-57, BSB, HCRF (ARCS/Seafarer), GeoTiff, NTX, MRE. Gives you flexibility in your choice of charts and includes continuous chart coverage while navigating.

- **Route** planning and monitoring. Allows you to quickly plan voyage routes and store them in the route library for future use. Route planning improves fuel efficiency with reduced course alterations and rudder movements.

- **Search** and Rescue patterns. Provides you with 4 different SAR patterns to assist with your SAR efforts.

- **Configurable** collision and grounding alarms. Alerts you of potential collisions and/or groundings with configurable alarms.

- **Query** and communicate with AIS targets. Quickly query AIS target to view an accurate, near real-time display of the target’s heading, speed, cargo MMSI etc. Send safety and text related messages to other AIS-equipped vessels.

- **The Radar** Overlay module is used in such demanding applications as search and rescue, iceberg detection, obstacle avoidance, and coastal surveillance. A real-time radar image is overlaid on your electronic chart to provide a complete image of marine environment.

- **The user** interface provides multiple options for customization

Additional Modules Available

- **NavAids** – Offers superior navigational aid servicing and record-keeping for maritime administrations connecting to vessel-based systems. The NavAids module facilitates the management of navigational aids and enhances the process of buoy tending for vessels of all size.

- **Survey** - The Survey module utilizes specialized survey and data collection tools to provide the ability to plot parallel leg survey routes, display MRE bathymetric data and log any or all data in a Microsoft Access database.

- **3D** - The 3D module graphically displays the contours of the ocean floor with superb precision and clarity. Vessels equipped with a NMEA sounder can add sounding data to existing ISF charts to ensure you have the most current and accurate charts available.