

Aldebaran III

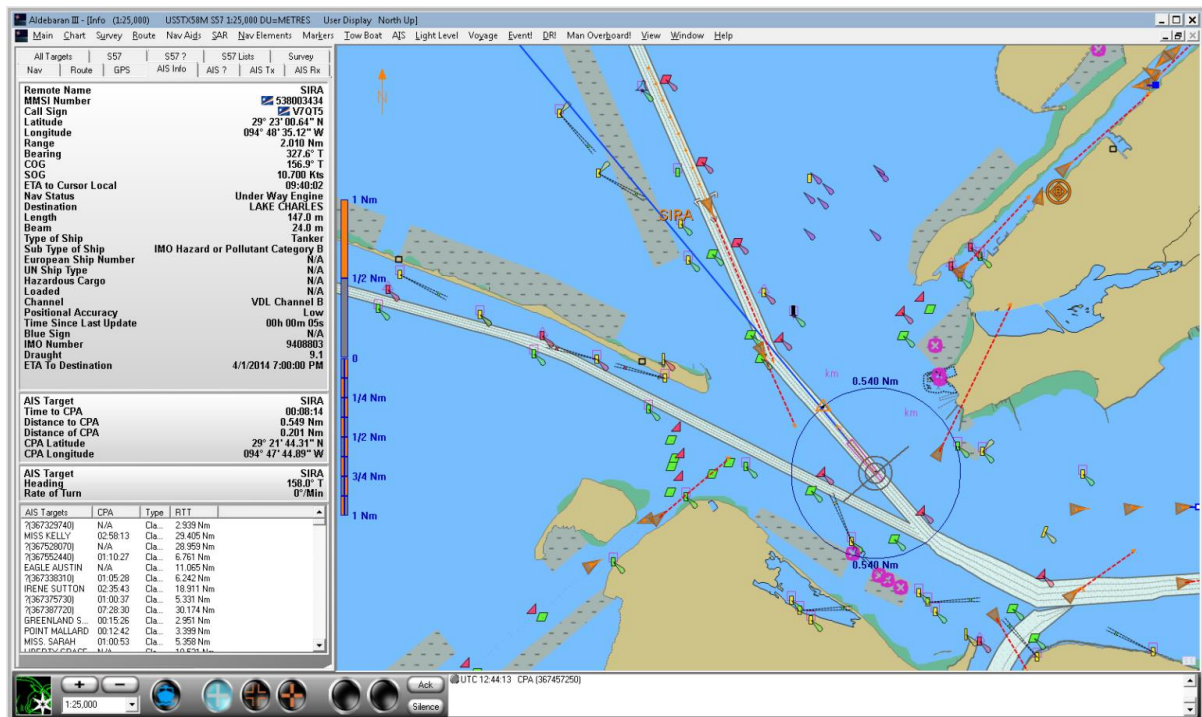
Onboard Electronic Chart System (ECS)

Aldebaran III is CNS Systems' Electronic Chart System (ECS) software for use onboard vessels. Aldebaran III 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 III 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 vessels, aircraft and shore-based administrations.

Aldebaran III supports multiple chart formats simultaneously and includes real-time data logging and playback, administrative options, long range interface, support of TCP/IP communication and manual chart corrections. Navigating is made easier with the ability to view and chart features such as critical points, multiple guard zones, route verification, SAR patterns and SAR drift offset, and monitor virtual and AIS equipped Aids to Navigation (AtoNs).

Aldebaran III can greatly increase the scope of security operations. It enables vessels to communicate quickly and efficiently to detect and respond to threats, such as piracy and drug trafficking, thus reducing time and fuel costs. Our secure communication module, Sentinel, allows users to covertly track targets and monitor the network without being detected.



CNS Systems' Electronic Chart System (ECS), Aldebaran III, is highly configurable to meet your needs while maintaining the consistent, powerful professional utility you can trust.



CNS Systems™

Features & Functionality

- Compliant with Microsoft Windows 7 and 8.
- Advanced Data Logging and Playback capable of export with SHA-256 Data Integrity.
- Continuous Video Capture with Auto Delete and export option. Record the display as it happens and export files for playback on any system using standard video format such as AVI and MPEG-4.
- Management of Multiple User Profiles with support for six different users and allowing users to have different defaults for InfoPanels, Overlays etc.
- 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 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 grounding 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 user interface provides multiple options for customization.

Additional Modules Available

- Sentinel – The Sentinel module offers AIS standard and private communications capabilities to deliver a common operating picture to all friendly Sentinel participants. It permits the simultaneous covert tracking of standard AIS participants, allowing you to monitor the network without being detected.
- Radar – The Radar Overlay module is used in such demanding applications as search and rescue, iceberg detection, obstacle avoidance and costal surveillance. A real-time radar image is overlaid on your electronic chart to provide a complete image of the marine environment.
- NavAids – Offers superior navigational aid servicing and record-keeping for maritime administrations connecting to vessel-based system. 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 all data in a Microsoft Access database.

CNS Systems Sweden
Nygatan 25
SE-582 19 Linköping, Sweden
Telephone: +46 (0)13-35 22 90
Fax: +46 (0)13-35 22 99
e-mail: info@cns.se

CNS Systems Canada
370 Torbay Road Suite W210, Bally
Rou Place, St. John's NL A1A 3W8
Telephone: +1 709 754 0400
Fax: + 1 709 754 0419

CNS Systems USA
1202 Tech Blvd, Suite 102
Tampa, FL 33619, USA
Telephone: +1 813 443 0580
Fax: +1 866 780 4226
e-mail: sales-americas@cns.se



CNS Systems™

www.cns.se