



dKart ECS

electronic cartographic system

dKart ECS has been designed to be used onboard vessels of various types, starting from yachts up to tankers. dKart ECS software is offered in several basic versions with possibility to select the required options. The modular structure of the program allows adjusting it to any specific need.

Advanced functionality of dKart ECS provides solving a wide range of tasks onboard ships of various types. No matter how many functions have been selected, the program remains easy-to-operate.

BASIC FUNCTIONS

- Route planning on the electronic chart;
- Testing the route safety;
- Route monitoring;
- ARPA and AIS targets monitoring with alarming on dangerous ones;
- Electronic logbook;
- Navigation safety feature.

SPECIAL FUNCTIONS

- Continuous route monitoring (including "Center ship" mode);
- "Man over board" mode;
- User layers editor for point, linear, area and text objects;
- Manual position fix;
- ARPA plotting;
- Creating 3-dimensional bottom profile model according to echosounder data;
- Real-time 3-D model updating as the ship moves;
- Selecting a geodetic datum for program calculations, synchronizing it with positioning system datum.

ALARMS

- External devices fault;
- Deviation from the route line;
- Crossing the safety contour.

ELECTRONIC LOGBOOK

- Recording navigational data once per second.
- Importing/exporting logbook;
- Navigational situation playback on the chart;
- Converting a track into a route.

EXTERNAL DEVICES

- GPS, GLONASS, Loran-C, Navtex;
- Gyro-compass, log, echosounder, temperature and wind sensors;
- ARPA (in NMEA format);
- R3 AIS transponder, UAIS transponder;
- Analogue gyro-compass, log and echosounder, using interface unit.

