



SAAB



R4 NAVIGATION SYSTEM

IMO require SOLAS class ships to carry type approved GPS equipment. Saab can offer a number of IMO-compliant GPS and DGPS solutions, either as stand-alone Navigation Systems or as a additions to existing Saab AIS systems.

The navigation products from Saab are self-monitoring and extremely user friendly. They perform continuous RAIM (Receiver Autonomous Integrity Monitoring) calculations. This allows the Officer Of the Watch (OOW) to set the required navigation accuracy for any stage of the journey. The R4 Navigation System from Saab will give continuous feedback and alarm if the accuracy limit is exceeded.

R4 GPS NAVIGATION SENSOR

The R4 GPS Navigation Sensor is a high-precision GPS receiver, capable of receiving SBAS (e.g. WAAS and EGNOS) differential corrections. The unit performs continuous RAIM calculations, which enhance the integrity of the position data.

R4 DGPS NAVIGATION SENSOR

The R4 DGPS Navigation Sensor is the ultimate sensor for any Commercial Marine application. This product has all the features of the GPS Sensor and a dual channel beacon receiver for reception of IALA beacon DGPS corrections.

R4 CONTROL AND DISPLAY UNIT

The R4 Control and Display Unit performs a multitude of navigation functions. The traffic-light LEDs are used to continuously indicate the status of the RAIM calculations. Green light tells the OOW that the position accuracy is within the required value.

In combined DGPS/AIS configurations, the R4 Control and Display Unit will display and control Navigation data, in addition to the AIS information. Saab's R4 GPS/DGPS products will of course be ideal to connect to existing or future AIS systems, ensuring that the ship operates in full compliance with all relevant regulations. GPS information is becoming extremely vital for many systems onboard and hence critical to overall safety.

