i-marine™

# i-ais-BS1
# AIS Shore Station

i-ais-BS1 is an AIS station designed for AIS management and monitoring functions to be performed with a shore installation.

It consists of an AIS Unit for standard AIS functions and a Communication Gateway to be able to communicate with an operation center over IP connectivity.

i-ais-BS1, AIS Shore Station, is mainly used to monitor the AIS VDL network around and to provide support for proper messaging with Class-B transponders with mission specific functions.

## LEADING FUNCTIONS

- ▷ *Monitoring of AIS network*
- ▷ *Transmission of AIS messages (6, 7, 8, 12, 13, 14, 15 ,21, 24A, 26)*
- ▷ *Reception of all AIS messages (1 to 27)*
- ▷ *Transmission and reception of mission specific Class B messages*
- ▷ *Text messaging with ships (Msg 12 and 14)*
- ▷ *Encrypted binary messaging (Msg 6 and 8)*
- ▷ *Remote management (through Ethernet or GPRS)*
- ▷ *Standard 19" 3U form factor for rack installation*
- ▷ *2 x RS-232 Ports for NMEA, 1 x RS-232 Port for AUX,*
- ▷ *1 x ETH port for ADSL, D-IN (Digital Input)*
- ▷ *Compatible with i-SEA Platform*
- ▷ *Optional mode to send raw AIS NMEA data (non-encapsulated) over TCP/IP connection*