

Which installs easier?

The diagram compares the installation of BlueAIS (left) with other AIS products (right). BlueAIS is shown as a single unit mounted on a wall, connected to a power supply and chart plotter. The other products require a separate AIS terminal, GPS antenna, splitter, and VHF antenna, with multiple cables connecting them to power and other equipment.

BlueAIS®

to Power Supply & Chart Plotter

Difficult Installation & High Cost

AIS Terminal + GPS Antenna + Splitter + VHF Antenna

GPS Cable
VHF Cable
to Power Supply
to VHF Radio
to Chart Plotter

Other AIS Products

Who gains more?

The diagram compares the signal budget for BlueAIS (left) and other AIS products (right). BlueAIS has a higher antenna gain (+1.0dBi) and no cable or splitter loss, resulting in a final signal budget of +1.0dBi. Other products have a higher antenna gain (+6.0dBi) but suffer from significant cable and splitter losses, resulting in a final signal budget of -0.3dBi.

BlueAIS®

Antenna gain = +1,0dBi
Cable loss = 0,0dB
Splitter loss = 0,0dB

Final Signal Budget = +1,0dBi

Other AIS Products

VHF Antenna (3 m)

Antenna gain = +6,0dBi
Cable loss = - 3,3dB
Splitter loss = - 3,0dB

Final Signal Budget = - 0,3dBi

(15 m)

AIS Terminal
Splitter

The illustration shows an AIS base station on a rocky island with a GPS satellite in the sky. A laptop on the island is connected to the base station via an internet connection. A large cruise ship is shown at sea, with an on-board chart plotter displaying its position. The chart plotter is connected to the ship's AIS system.

GPS

On board Chart Plotter

AIS base station

Internet

Internet

Tracking and monitoring with BlueAIS®

Whenever a vessel is within the reach of AIS land station, the boater's family and friends can track and monitor vessel's navigation through many free internet AIS portals, which display the vessel's position and other related data in real time.