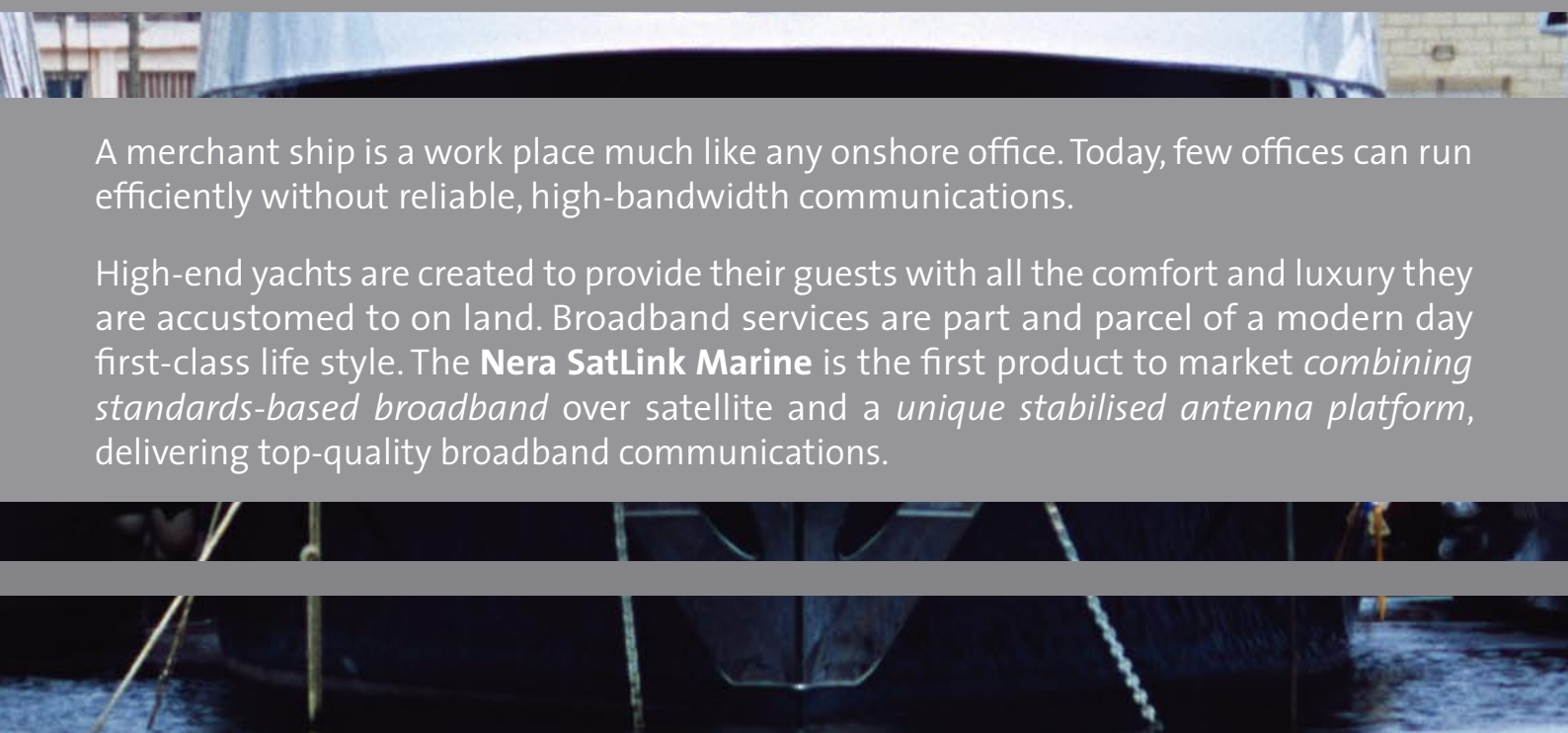


A photograph showing the upper part of a ship's superstructure. The structure is white and features several large, white, dome-shaped satellite antennas mounted on a central mast. There are also two horizontal blue bars on the mast. The background is a clear blue sky.

NERA SATLINK MARINE

Top-Performance Broadband At Sea

A photograph showing the lower part of a ship's hull, which is dark blue or black. The ship is docked, and the water is visible in the foreground. The background shows a building with a yellow wall.

A merchant ship is a work place much like any onshore office. Today, few offices can run efficiently without reliable, high-bandwidth communications.

High-end yachts are created to provide their guests with all the comfort and luxury they are accustomed to on land. Broadband services are part and parcel of a modern day first-class life style. The **Nera SatLink Marine** is the first product to market *combining standards-based broadband over satellite and a unique stabilised antenna platform*, delivering top-quality broadband communications.

NERA SATLINK MARINE

Top-Performance Broadband At Sea

PERFORMANCE MATCHING TERRESTRIAL BROADBAND

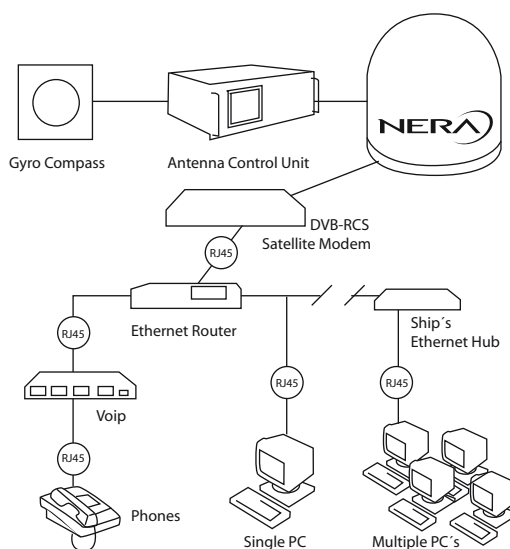
The Nera SatLink Marine delivers an always-on communications service of up to 8 Mbps, enabling several users onboard to make use of the service simultaneously for data, telephony, fax, radio and video. The superior tracking produced by the unique stabilised antenna ensures consistent performance even during unforgiving weather conditions at sea.

COST-EFFICIENT OPERATIONS

Taking advantage of the DVB-RCS (Digital Video Broadcast - Return Channel via Satellite) standard's efficient use of satellite capacity and sharing bandwidth between users, the Nera SatLink Marine facilitates significantly lower cost of operations than comparable services. Typically charged at a fixed rate per month, users of the Nera SatLink Marine can rely upon highly affordable and predictable monthly cost.

A COMPACT SYSTEM MADE FOR EASY INSTALLATION

At merely 1.22 metre, the diameter of the Nera SatLink Marine above-deck equipment is only half of a conventional VSAT system. In terms of volume, this makes a considerable difference on vessels where space is at a premium and a balanced exterior is of essence.



A fully-owned subsidiary of Nera, Nera SatCom is the chief supplier of products and solutions for the Inmarsat satellite system and a leading manufacturer of equipment based on the DVB-RCS broadband via satellite standard.

Nera SatCom AS
Bergerveien 12
1375 Billingstad, Norway
www.neraworld.com

Distributor



TECHNICAL SPECIFICATIONS

BELOW DECK EQUIPMENT

Maximum Throughput

IP (after MAC filter)	8 Mbps
MPEG2	45 Mbps

Protocols

IP	Yes
ATM	Yes
ICMP	Yes
TCP	Yes

Interfaces

Ethernet 10/100 Mb auto-detect	Yes	IGMP (LAN interface)	Yes
RS-232	For specialised management functions only	SNMP	Yes
Expansion slot	For customer specific plug-in cards (on request)	DHCP server	Yes
CLI/RS-232	Yes	NAT ³	Yes (software option)
CLI/Telnet	Yes	IP tunnelling/ GRE	Yes (software option)
Web/HTTP	Yes	TCP/HTTP PEP ⁴	TCP acceleration on forward link (software option)
SNMP	Software option		
Connection to ADE	2 x coaxial cable		

ABOVE-DECK EQUIPMENT

Performance

Frequency	Ku-band
Platform	3-axis servo-controlled stabilised antenna platform
Tracking	Unlimited azimuth capability
Transmitter	4 W BUC
Automatic Polarisation Control	Yes

Physical Data

Antenna Size	1 m diameter
Radome Size	1.22 m diameter
Weight	114 kg