

IMO

2026-04-30 07:40:46

UTC+02:00 2026-04-30 09:40:46

ION

N 59° 03.648'

E 010° 37.596'

202.0°

0.0 °/min

202.0°

15.1 kn

202.0°

15.1 kn

GYRO1 (T)

GYRO1

GPS1

GPS1

W LOG1

W LOG1

RNG NM

SOG kn

CTW °T

0 of 5

VRM 1

RNG 15.00 NM

BRG NM

LAT

LON

ETA hh:mm:ss

TTG hh:mm

TER_002 X-BAND TX SLAVE

GAIN

SEA

RAIN

IMO

NAV24NM

1SCAN SART RVC EXP SC

DISPLAY PRESENTATION

RANGE RR

12.0 NM 2.0 NM

TRAILS

0.0 min

RELATIVE

MODE UNSTAB

TARGET PRESENTATION

VECT TIME TIME INT

6.0 min 1.0 min

PAST POSN SL AIS FILTER

0.0 min

ASSOC WATON Y GND STAB

CPA TPCA

0.0 NM 00:12 hh:mm

ERBL PI DIM TGT

TRIAL CHT MAP SAR

ZONE ROUTE DRAW OBJ CURSOR

OWN SHIP BP TEST ALERT

ALERTS

Clarity guides safe navigation

SYNOPSIS Radar NX.

SYNOPSIS Radar NX is a high-performance radar application designed to deliver a clear, reliable situational picture under all conditions. It combines advanced target tracking, intelligent clutter suppression and a clear-structured user interface to support confident decision-making, reduce workload and enable safe navigation in demanding operational environments.

Key Benefits



Clear situational awareness in all conditions

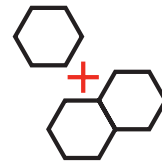
Radar NX provides a precise and stable picture of the traffic situation, combining advanced target tracking, automatic clutter suppression and high-quality raw data processing. Chart radar functionality and integrated target management support fast interpretation and ensure that all relevant information is available at a glance, even in dense traffic or adverse weather.



Safe and efficient collision avoidance

With system-wide target association, consistent alert handling and intuitive operating logic, Radar NX supports reliable and confident decision-making.

Going beyond basic IMO requirements, it simplifies complex navigation workflows, reduces crew workload and ensures safe, efficient and consistent operation across all bridge environments.



Reliable, scalable and future-ready

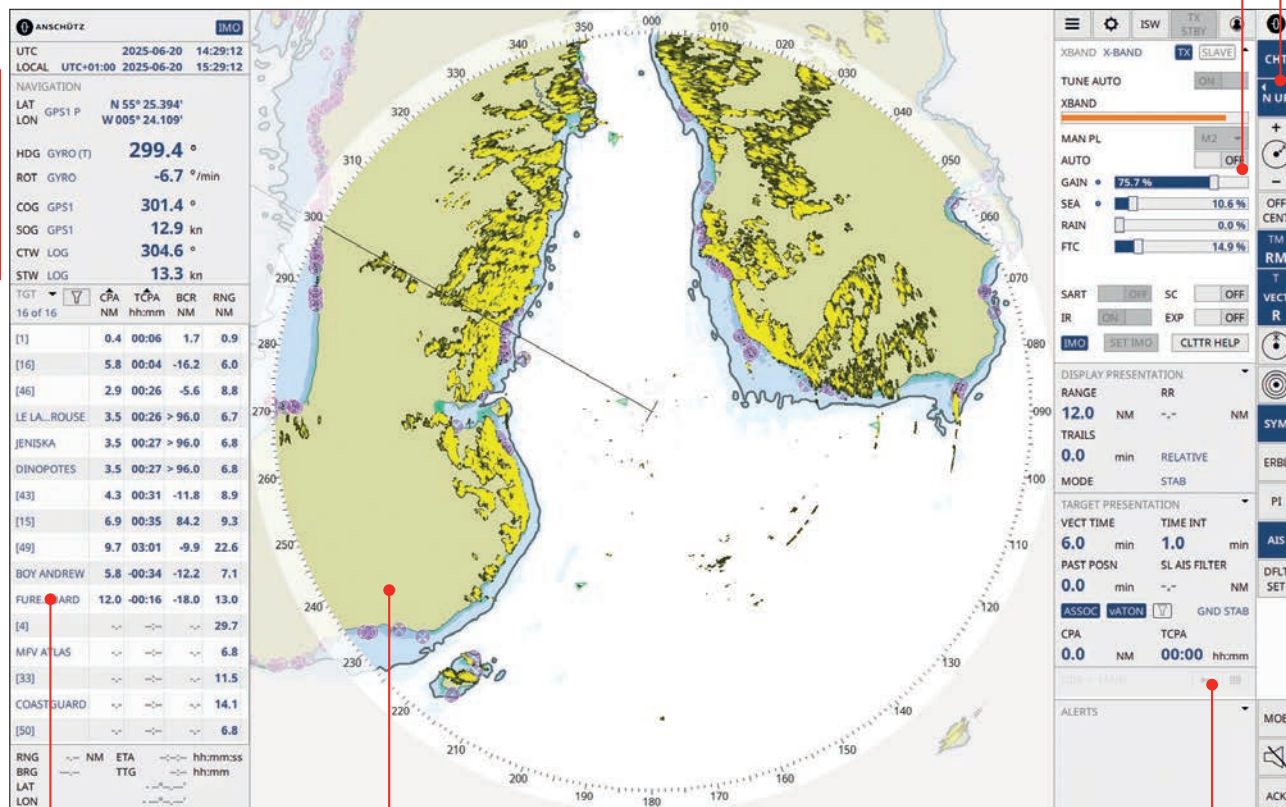
Fully type-approved and built on a modular software architecture, Radar NX combines high system availability with long-term flexibility. Compatibility with solid-state radar technology, continuous software development and global service support ensure reliable operation, regulatory compliance and stable performance throughout the lifecycle.

Left-hand side: Indication only

Navigation data, incl. source and quality indication

Quick access bar with navigation tools

Function related menus



Target list with configurable layout

Radar PPI with chart underlay

Tile menu with flat hierarchy

Right-hand side: Indication & operation

Main Features

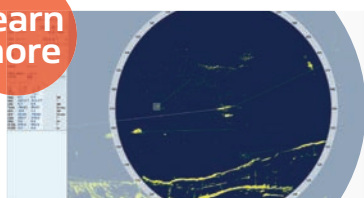
Advanced features for clear awareness and efficient operation

- High-performance target tracking with automatic radar/AIS target association
- Advanced clutter suppression (incl. CFAR) for clear target detection in all conditions
- Chart radar functionality for integrated situational awareness
- Advanced parallel index line functionality (up to 99 PILs)
- Blind Pilotage to be used in conjunction with SYNOPSIS ECDIS NX
- Improved target trails for enhanced movement perception
- Individual PPI layouts and filtering at each workstation (raw radar video available at all workstations)
- Sortable and filterable target lists for structured traffic overview
- User profiles for fast access to preferred settings
- Intuitive user interface and quick access tools

Extended capabilities (optional)

- Radar video merging for seamless 360° coverage
- Standardised radar video distribution for external systems (ASTERIX CAT-240)

Learn more



SYNOPSIS Radar NX improves collision avoidance.

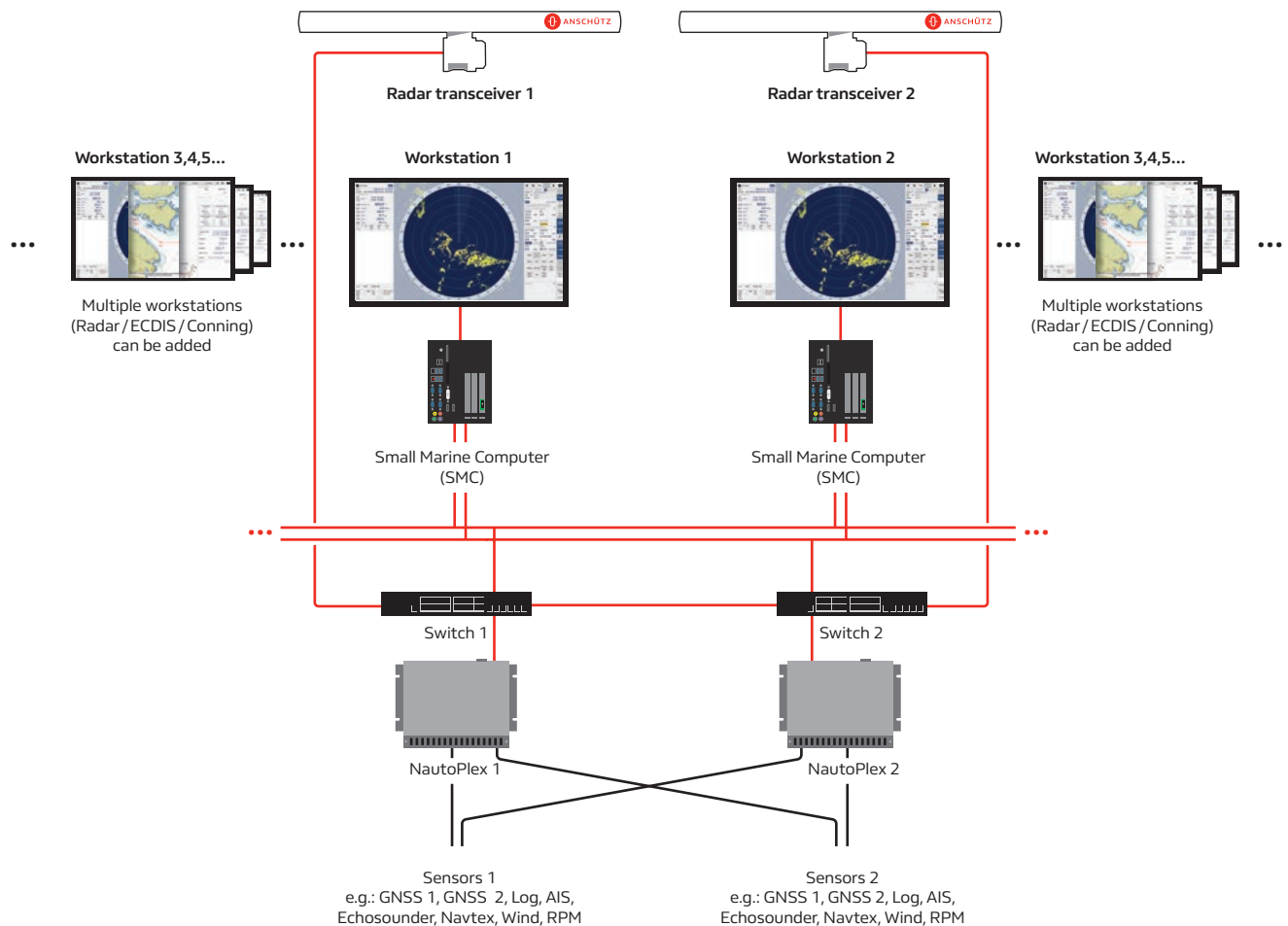
Visit the website and experience the functionality of our Radar NX / Chart Radar NX application
www.anschuetz.com/radar-nx



Scalable. Integrated. Reliable.

Radar NX is an integral part of the SYNAPSIS integrated navigation platform. Within SYNAPSIS, Radar NX is connected to a shared data backbone, ensuring consistent target information, harmonised behaviour and a common operational picture across all workstations.

The modular system architecture is based on a standardised network design, allowing flexible configurations for different vessel types and operational requirements. The functions are software-defined and are continuously being developed.



SYNAPSIS radar systems are fully type-approved and consist of network-connected radar transceivers, high-performance computers and widescreen, glass-front TFT displays. Where required, additional displays can be configured and operated.

SYNAPSIS Radar NX supports a wide range of radar transceivers, including modern solid-state technology with high availability, consistent performance and reduced maintenance requirements.

SYNAPSIS Radar NX is type-approved for use with the following radar transceivers:

Anschütz SST (Solid-State Transceiver)

- X-band radar with 5 ft / 8 ft antenna
- S-band radar with 14 ft antenna

Anschütz NSX magnetron radars

- X-band radar with 6 ft / 8 ft antenna and up/down transceiver, with high-speed option
- S-band radar with 12 ft antenna and up/down transceiver

Terma SCANTER 2602 / 6002 navigation and surveillance radars

- X-band solid-state radar for maximum performance
- Radar NX holds MED type approval in accordance with IEC 62388 Ed. 2.0.