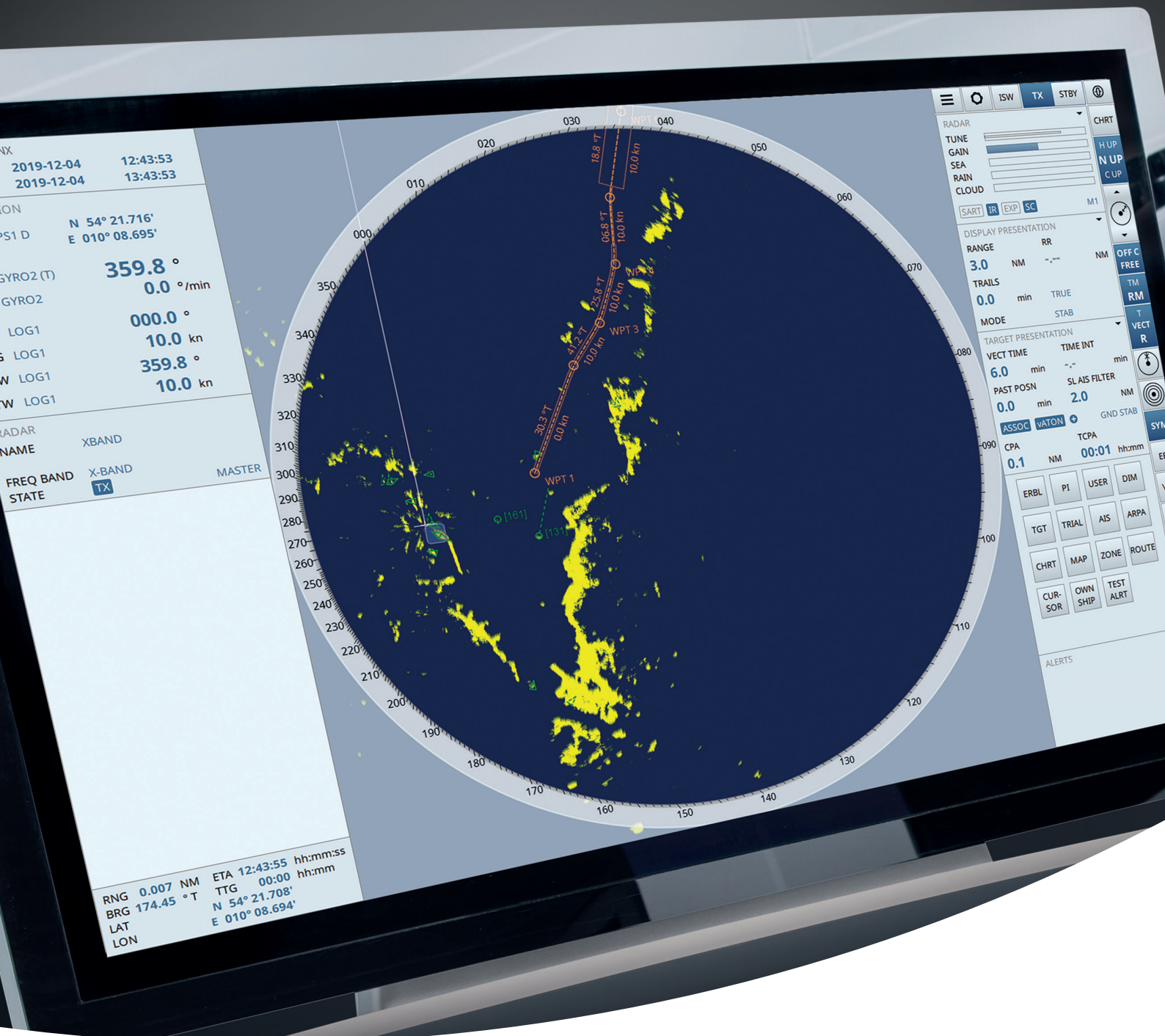


SYNOPSIS Radar NX.



The upmost in maritime collision avoidance

SYNOPSIS Radar NX.

SYNOPSIS Radar NX is the new Anschütz radar application, designed in accordance with human-centered design. Radar NX features an advanced tracker and clutter suppression that offer high performance collision avoidance assistance under any weather and traffic condition.

Key Benefits



High performance collision avoidance

Navigational safety is built upon a clear, precise presentation of the traffic situation.

- Modern, clear-structured user interface with chart underlay capability simplifies interpretation
- Advanced target tracking and raw data processing at every single console deliver full situation awareness
- Unique, patented technologies optimize target detection, filtering and presentation



Safe and efficient navigation

Advanced functions (known from "INS") support safe navigation and efficient watchkeeping.

- High performance system-wide target management and target association
- Consistent use of qualified data and consistent alert handling
- Navigators receive a validated picture of the prevalent situation for right decision making
- Less workload and distraction



Secure and future-proof investment

Ready for future: modular features enhancements and compliance with standards.

- Fully type approved according to IEC-62388
- Future-proof hardware and operating system
- Ongoing application compliance (e.g. new test standards)
- Growing scope of modular features, easy to update
- Choice between classical navigation and solid-state radars
- Global service network in case you need help

Left-hand side: Indication only

Navigation data, incl. source and quality indication

Quick access bar with navigation tools

Function related menus

The screenshot displays the SYNOPSIS Radar NX interface. On the left, a panel shows navigation data for 'RADAR NX' on '2018-07-12' at '15:36:40'. It includes COG (000.0°), ROT (0.0°/min), SOG (0.0 kn), and CTW (0.0 kn). Below this is radar information for 'RXTX2' in 'X-BAND' mode. A 'TARGET READOUT' table lists parameters like ID (1), SRC (RADAR), STAT (TRKG), RNG (1.4), BRG (074.7 T), CPA (0.6), T CPA (-00:06), BCR (-0.8), BCT (-00:10), COG (048.0), SOG (10.5), R CRS (048.0), and R SPD (10.5). The central display is a 360-degree radar chart overlaid on a sea chart, showing various targets and radar returns. On the right, a control panel includes a 'RADAR' section with 'GAIN', 'SEA', and 'RAIN' settings in 'AUTO MODE'. It also features a 'PROFILE' section with 'IMO', '1SCAN', 'SART', and 'RVC' options. Below that are 'DISPLAY PRESENTATION' settings for 'RANGE' (3.0 NM), 'TRAILS' (0.0 min), and 'MODE' (STAB). Further down are 'VECT TIME' (6.0 min), 'PAST POSN' (0.0 min), and 'ASSOC' (WATON) settings. The bottom right contains a 'CPA' section with 'TCPA' (00:00) and a grid of function buttons like 'ZONE', 'ROUTE', 'CUR-SOR', 'AIS', 'MAP', 'TGT', 'OWN SHIP', 'DIM', 'ARPA', 'NBL', 'TEST ALERT', 'USER', 'TRIAL', 'CHRT', and 'RVM'. A vertical 'Quick access bar' on the far right contains icons for 'CHRT', 'H UP', 'N UP', 'CUR', 'OFF C MAX', 'TM RM', 'T VECT R', 'SYM', 'EBL', 'VRM', 'PI', 'AIS', 'MCB', and 'ACK'.

Right-hand side: Indication & operation

Chart radar function

Tile menu with flat hierarchy

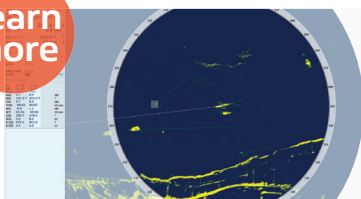
Drag and drop navigation tools

Main Features

High performance collision avoidance, easy to operate.

- High performance thanks to advanced target tracking (derived from commercial small target tracking application), target association and target management
- Unique automatic clutter suppression for a clear target display under any condition (CFAR technology, "Cloud" atmospheric clutter reduction)
- Individual PPI organization and filtering on each console thanks to the network wide distribution and local processing of raw video
- Chart radar (electronic sea chart underlay for better situational awareness)
- Sortable and filterable target lists
- Advanced, industry leading parallel index line (PIL) functionality with up to 99 PILs
- User profiles to store favorite settings
- Radar video merging of multiple radar sensors (and distribution to ECDIS) A "virtual transceiver" controls and merges the video of multiple radars. The user experiences a single seamless 360° image, and thus an unobstructed radar that significantly improves collision avoidance.

Learn more



SYNOPSIS Radar NX improves collision avoidance.

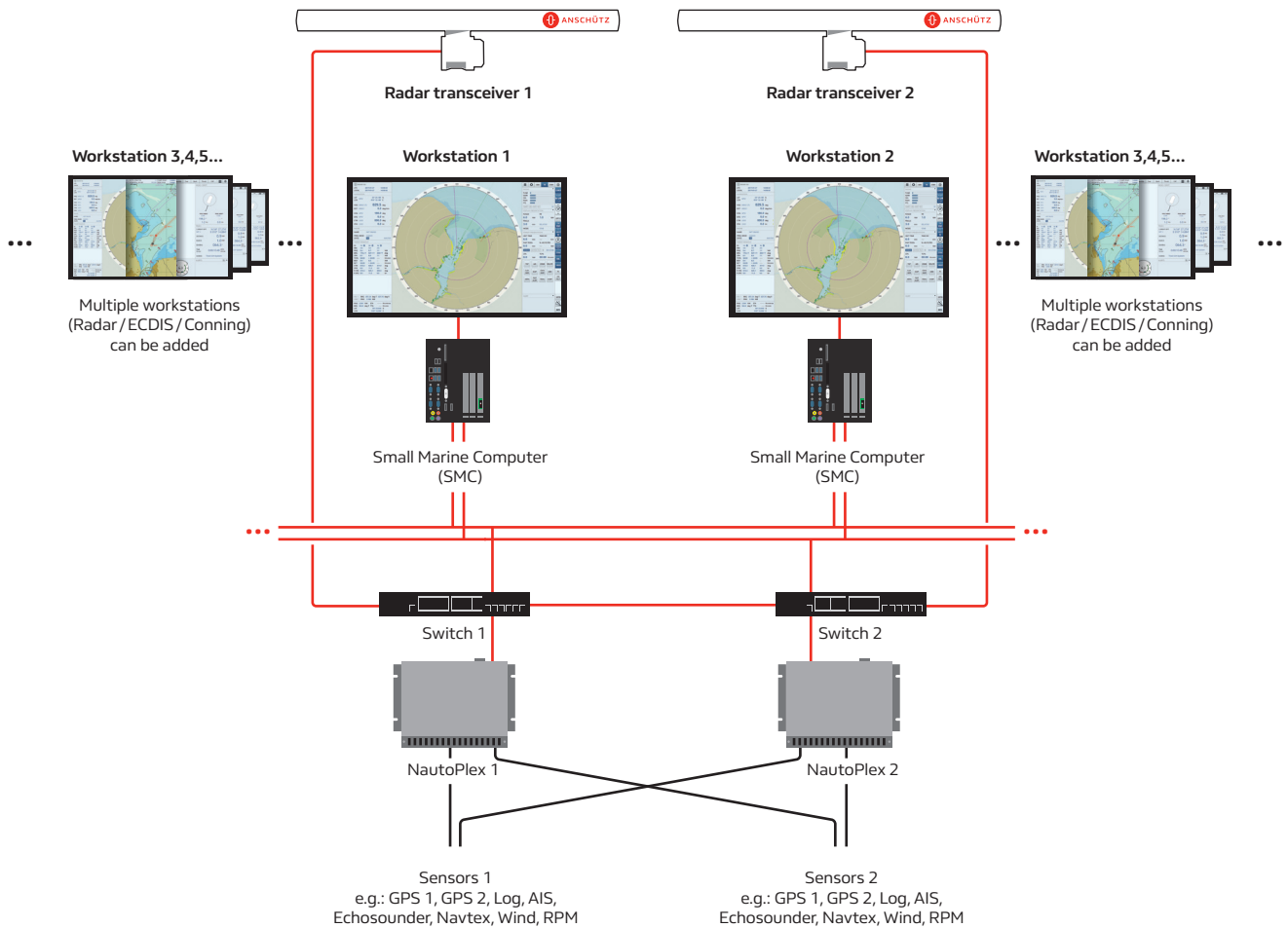
Visit the website and experience the functionality of our Radar NX / Chart Radar NX application www.anschuetz.com/radar-nx



Flexible and scalable system design

The Radar NX application can be applied for a single radar workstation, but also as part of a Synapsis NX multifunctional workstation. The Synapsis NX series contains navigational application software for ECDIS, conning and (chart-) radar. It also introduces a network infrastructure that reduces complexity, improves reliability, and simplifies installation and maintenance.

The system consists of up to five active radar transceivers, eight multifunctional workstations and additional displays and radar planning stations. All workstations use high performance small marine computers and wide-screen, glass-front TFT displays in various sizes. Multi-touch is available, where required. The function of a workstation is defined by application software modules and can be adapted or expanded at any time.



Type-approved with the following radar transceivers:

- NautoScan NX (NSX) X-Band navigation radars with 6ft / 8ft antenna and up / down transceiver, with high speed option
- NautoScan NX (NSX) S-Band navigation radars with 12ft antenna and up/down transceiver
- Anschütz Solid-State Transceiver (SST) X-band with radar with 5ft / 8ft antenna
- Anschütz Solid-State Transceiver (SST) S-band with radar with 14ft antenna
- Terma SCANTER 2602 / 6002 solid-state X-Band radar for high performance navigation