

***From Proven Systems to
Autonomous Shipping:
A Smart Evolution***





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>120 Years
Experience in
Navigation

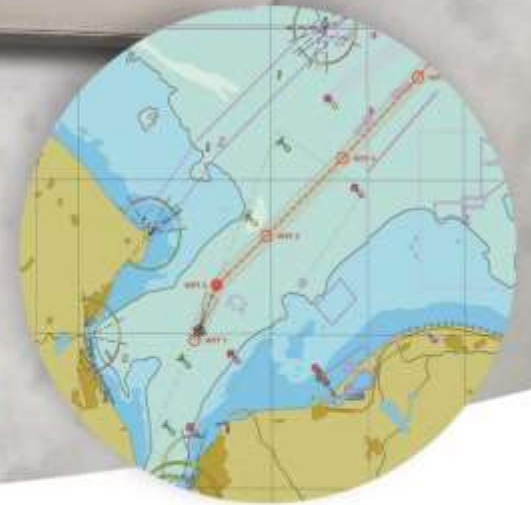
>700
Employees
globally

Partner of
>90 Ferry
Companies

Expertise from
20.000+
Vessels

1.500+
Integrated
Navigation
Systems

The innovation of navigation has been driven by Anschütz, from the Iron Helmsman and electric autopilots to the first track control systems and the world's first fully networked integrated navigation system. **A higher level of navigation automation starts here.**



SYNAPSIS INS as the Foundation



**Type-approved, field-proven
Integrated Navigation System**

Full
situational
awareness
provided by a
single system

Navigational
Awareness

Collision
Avoidance

Route Planning
& Monitoring

Sensor Rating
& Evaluation

Track Control
Steering

Central Alarm
Management



The Evolution of SYNAPSIS INS

Navigational Assistance Systems:
Add-on to Integrated Navigation Systems

- **Collision Avoidance Support (CAS)**
 - Transparent, rule-based approach (based on COLREGs)
 - Analysis of the maritime environment
 - Calculation of safe manoeuvring areas (targets, nautical chart)
 - Calculation of avoidance trajectories
 - Integrated in Track Control System

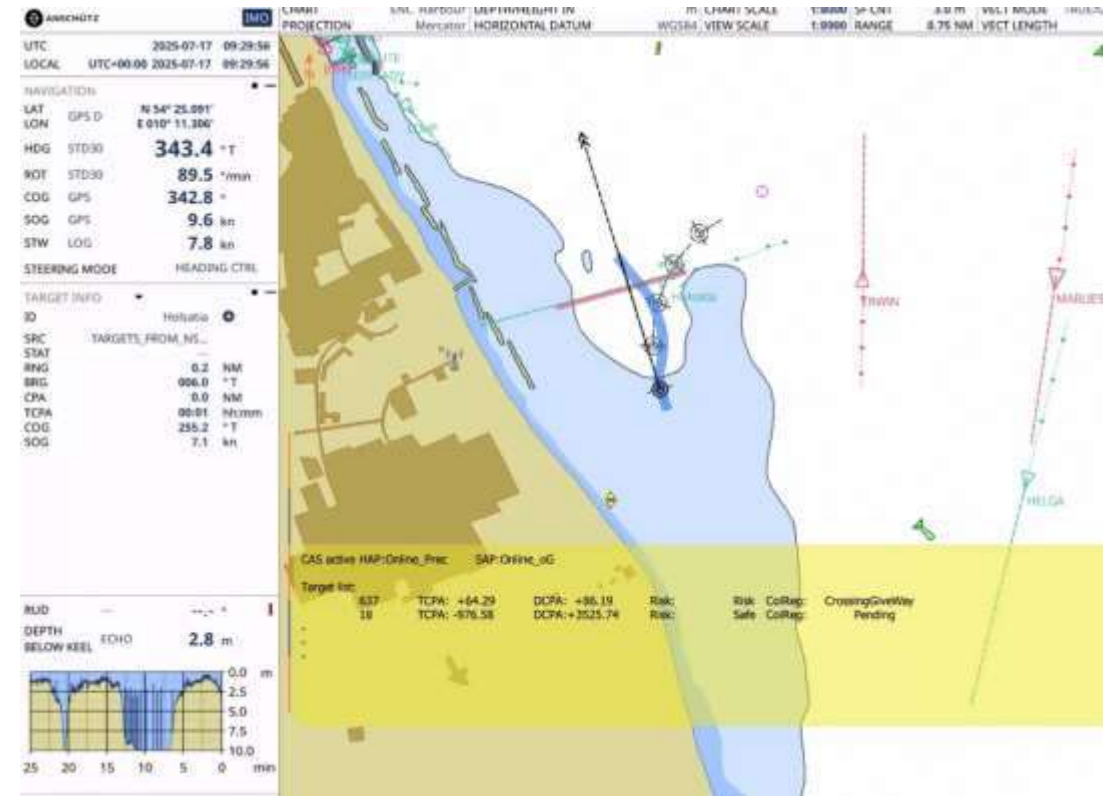


Maritime test field on
the Kiel Fjord (high
traffic density) with
test vessel MV
WaveLab and a
Remote Operating
Centre since 2023.

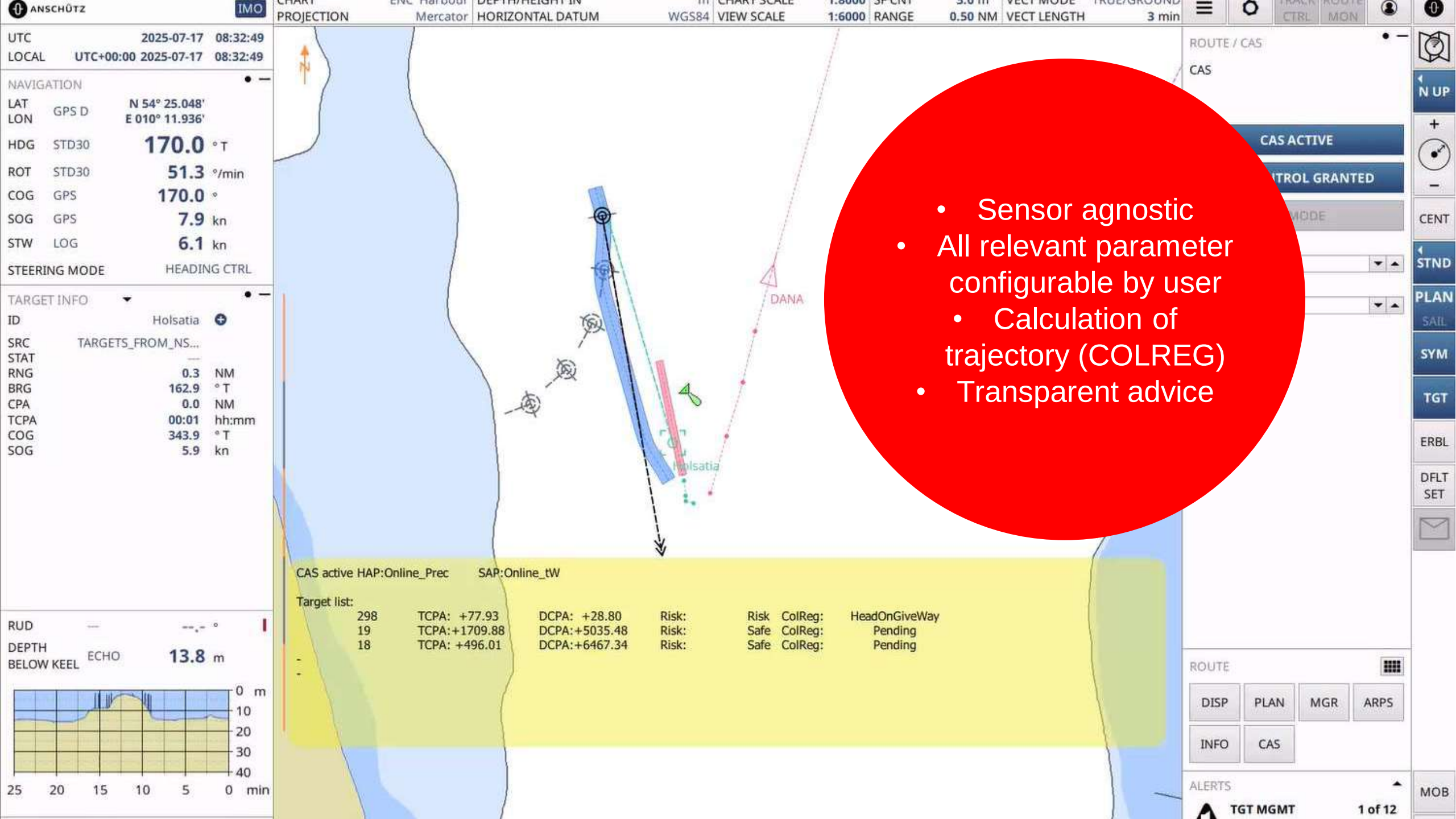


Collision Avoidance System

- Transparent, rule based autonomous collision avoidance algorithm
- Tested and proven in field in hundreds of collision avoidance manoeuvres
- Tests including multi vessel situations and with cooperative and non-cooperative traffic participants,
- Developed and reviewed by master mariners.







What's in for navigators and owners?

- Safer navigation through better situational awareness and alerting in critical and complex situations.
- Relief and support for the crew, especially in stressful situations.
- Less risk for human error.
- Protected reputation; and the opportunity to join us as a pioneer in a new era of safety and smart navigation.



We are committed to safe navigation!

- Our SYNAPSIS INS is ready today for future assistance systems to make navigation safer tomorrow.
- Register today and receive free software upgrades for CAS for every newly installed SYNAPSIS bridge!
Upon commercial availability
(planned latest until 2030).



WHEREVER YOU NAVIGATE.
WE ARE WITH YOU.