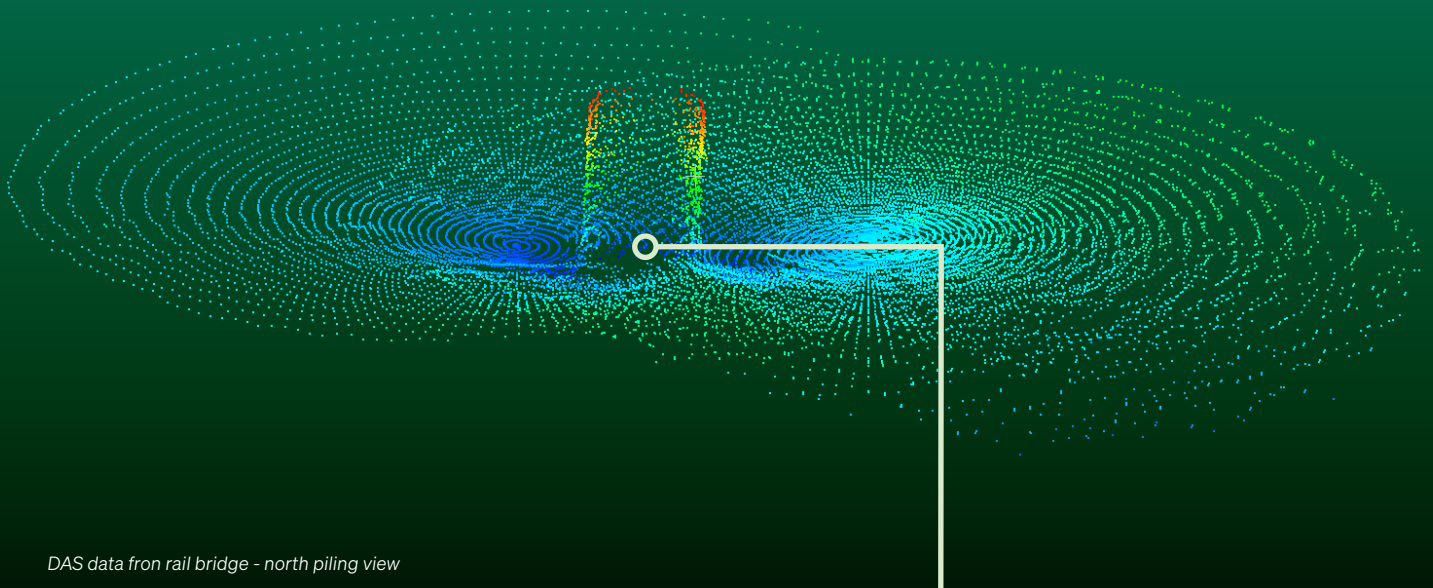


Dual-axis scanning (DAS) sonar



KONGSBERG



The Dual-Axis Scanning (DAS) Sonar is a profiling system designed for long-term offshore seabed or structure monitoring.

This scanning sonar works with both the MS1000 software program or in “standalone mode” where the data is logged in the head and transmitted to shore via cable or wireless telemetry.

The continuous 3D-surveying capability of the DAS provides crucial information on the dynamics of sediment scour and aggregation, and its rugged design is ideal for deployment on structures located in high-current or harsh offshore environments.

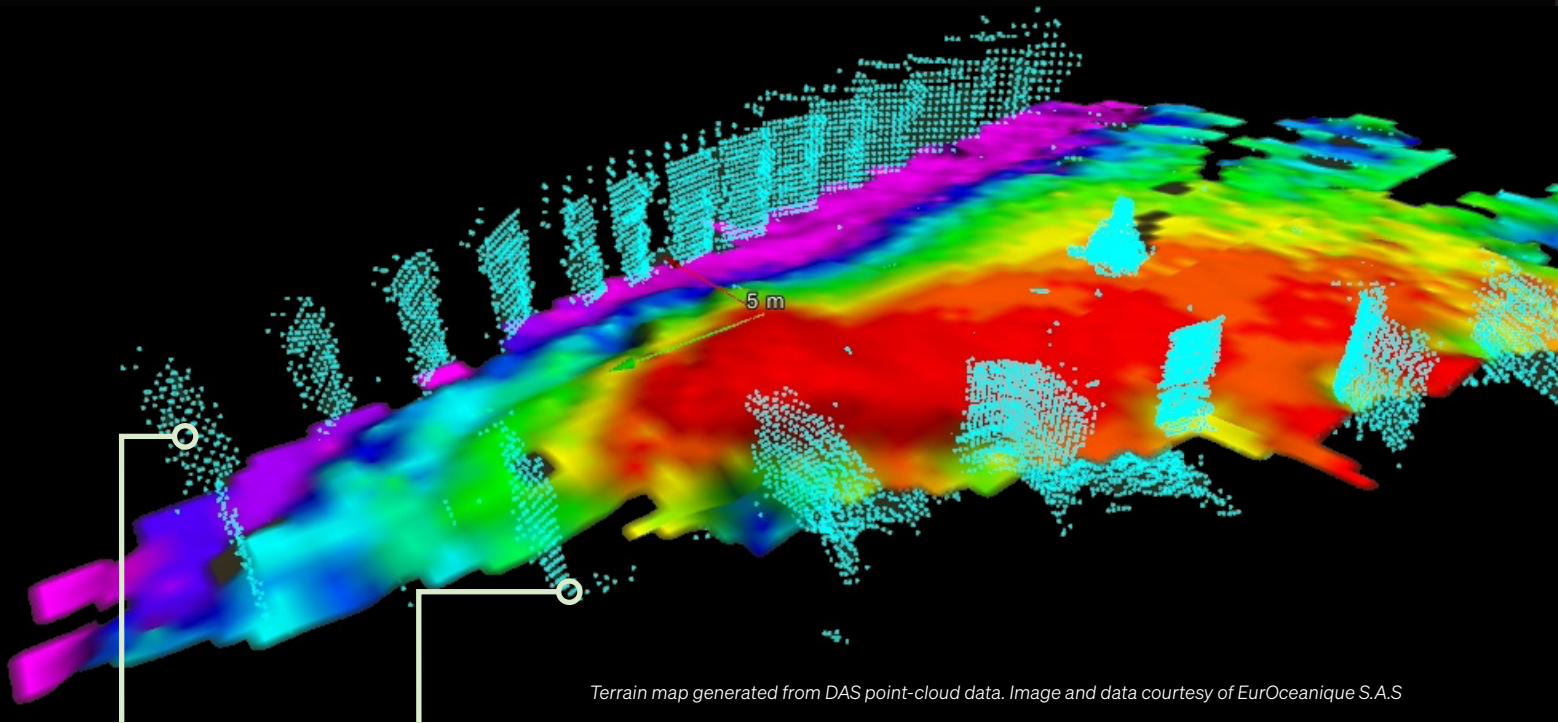
The DAS outputs an X, Y, Z serial data string of profile points that can be processed by many digital terrain modeling software packages including Kongsberg VistaGround and EIVA NaviSuite Edulis (specific to scour monitoring).

Suitable applications include offshore wind-turbine scour detection, underwater bridge substructure and dock inspections, and dam and water-intake surveys.



FEATURES

- Designed for long-term deployment in harsh conditions
- Operates single or multiple DAS heads
- Covers large areas
- Outputs a 3D profile-point digital data string
- Operates with the MS1000 software or in ‘standalone mode’



Operation and configuration

The sonar head is designed primarily for pole-mount deployment. The pole mount can be attached either to the structure of interest or to the side of a vessel positioned over the desired location. A single or multiple heads can be integrated into a system to monitor a large area.

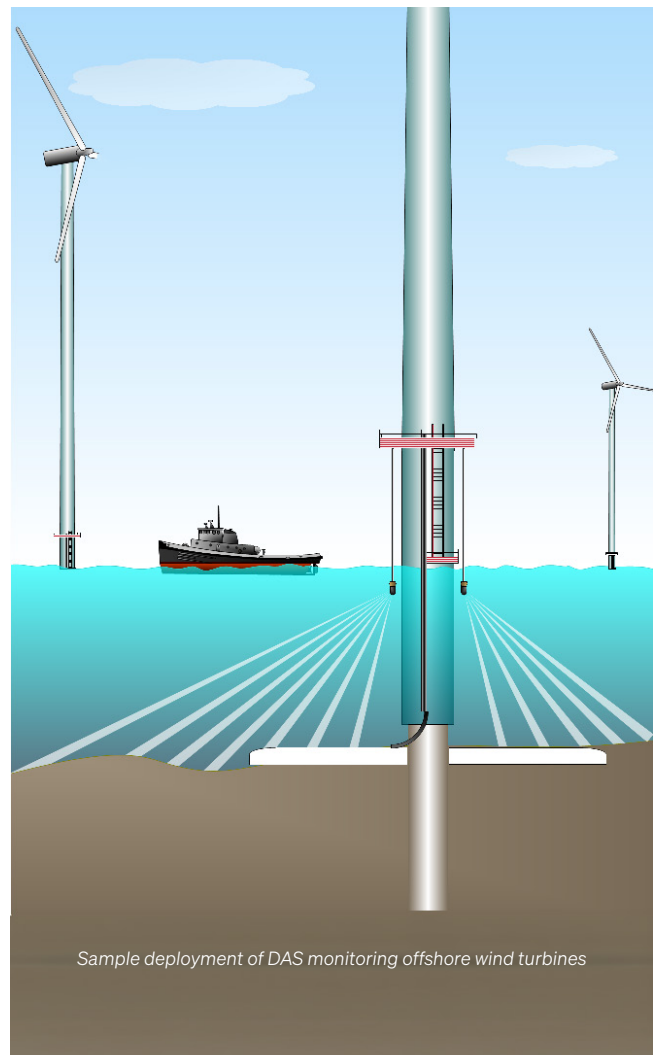
Operating modes

Standalone Mode (default)

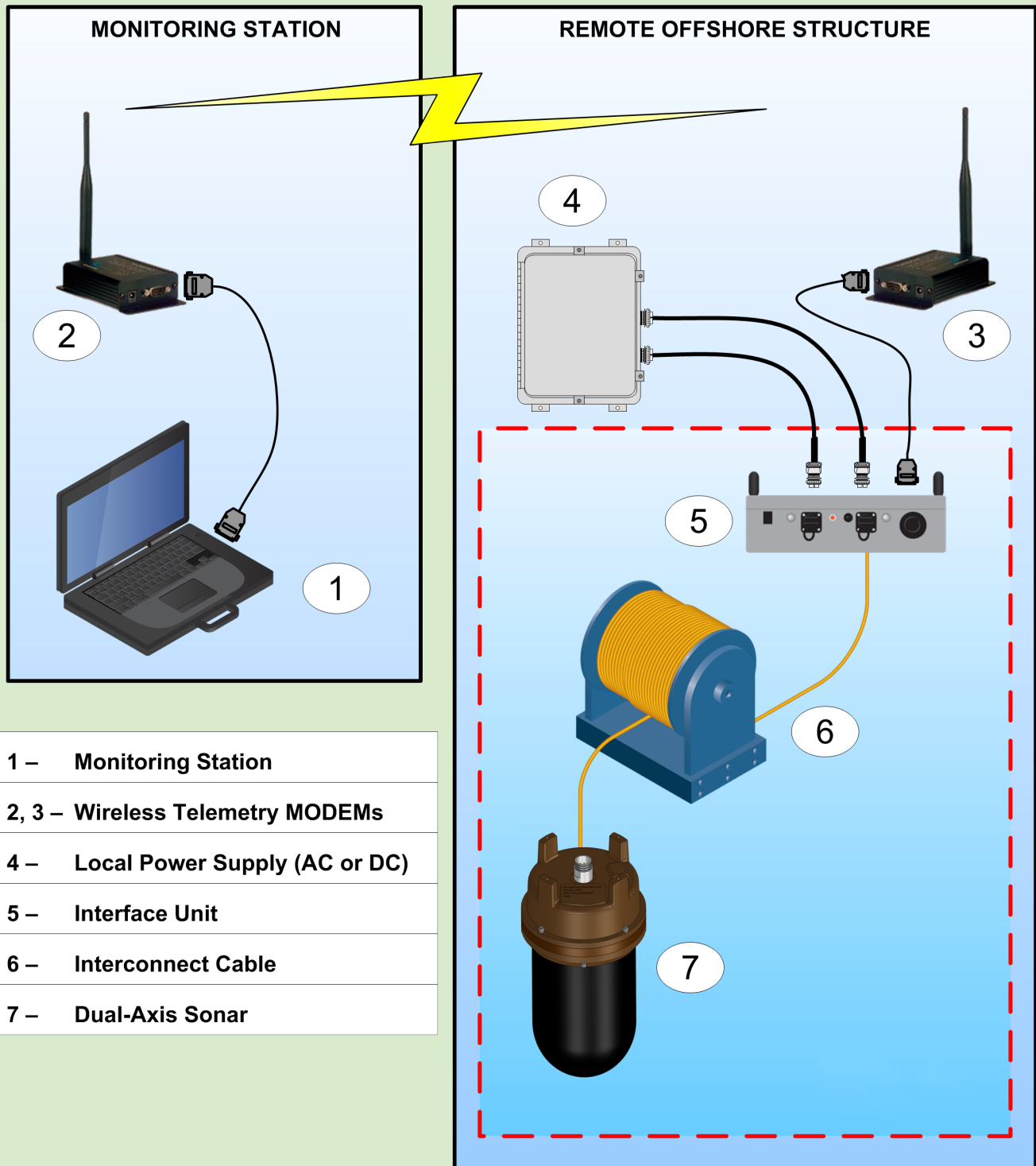
The DAS operates using power supplied either by the host system or by compatible third-party sources. It acquires profile data through predefined configurations. Additionally, it interfaces seamlessly with third-party equipment installed in remote locations.

MS1000 Mode

The MS1000 processing software running on a PC operates the sonar. Users can visualize data on screen and record it for further processing. All features included in the MS1000 Standard Edition are enabled.



OFFSHORE MONITORING SYSTEM



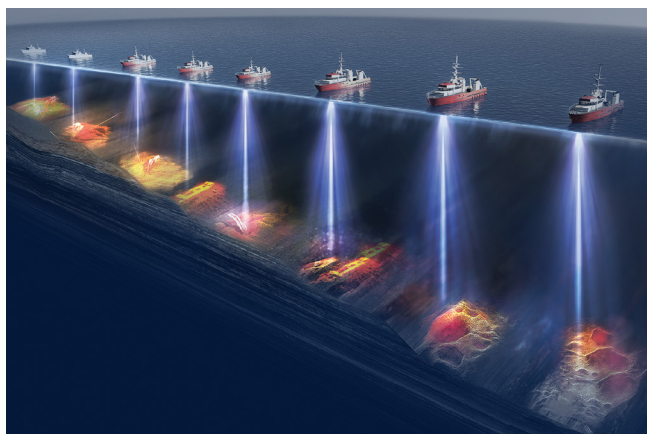
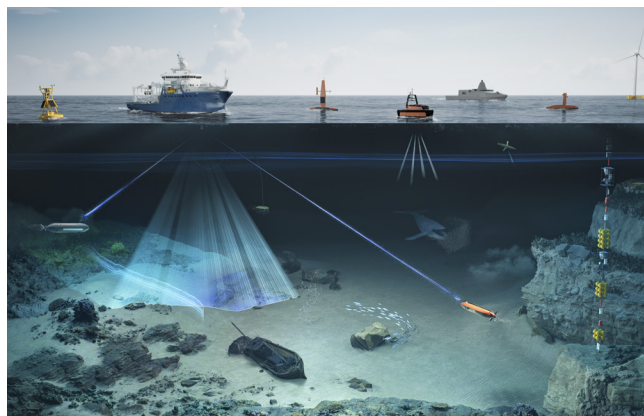
Kongsberg Discovery

Protecting people and planet

From the deepest sea to outer space

Kongsberg Discovery serves the ocean space from the deepest sea to outer space. We develop technology to ensure sustainable management of marine resources, monitor climate change and critical infrastructure, and safeguard national security.

Our technology aims to sustainably manage marine resources, monitor climate change, secure infrastructure, protect national security, and address crucial global challenges. It is vital for offshore operations, fisheries, marine research, maritime activities, ocean energy production, infrastructure monitoring, and naval operations.



Committed to protecting our planet

We recognize the global sustainability challenges and are committed to developing solutions and products that resolve operational issues while addressing environmental impacts on the ocean ecosystem.

The business has over 1,100 employees located in Horten, Trondheim, and Oslo in Norway, as well as operations in Alicante in Spain, Aberdeen in the UK, Lynnwood (Seattle), Houston, and New Orleans in the USA, Vancouver and Halifax in Canada, Kuala Lumpur in Malaysia, and Singapore. Kongsberg Discovery is part of KONGSBERG, a leading technology group based in Norway.

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