SPAS

Sonobuoy Processing Acoustic System

SPAS is the most versatile sonobuoy processor system for ASW platforms. SPAS makes use of advanced proprietary processing technologies for adding automation to the detection and classification of submarine threats, which reduces the operator's workload.

Digital and Analogue Sonobuoys

SPAS provides concurrent processing of up to 64 analog/digital passive and active sonobuoys.

Multistatic Processing

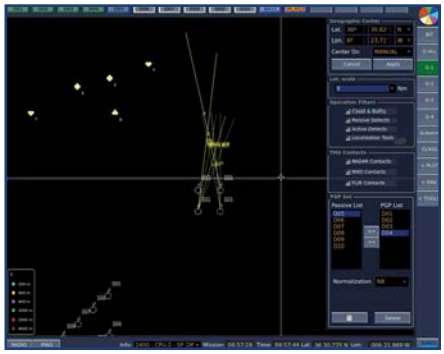
Advanced multi-static processing algorithms extend the range and improve the accuracy of the detections, increasing the coverage area as a result.

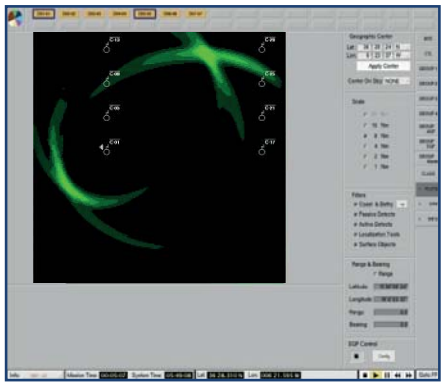
Small footprint

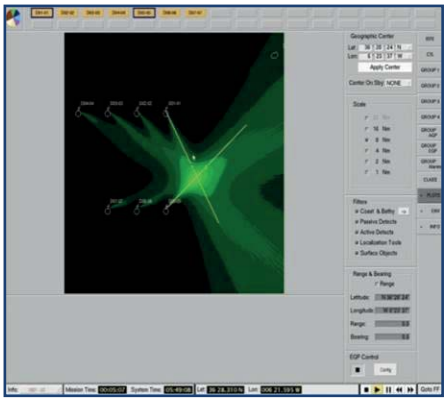
3U size, lightweight and minimal power requirements make SPAS perfect for both airborne installation and space-limited ships.

Open and Modular Architecture

SPAS can be customized to meet the clients' needs such as operation concept, number of sonobuoys and type and platform requirements.







SPAS displays have been designed in collaboration with the acoustic operators.

SPAS features

- Proprietary algorithms for threat detection, acoustic analysis, location and tracking.
- Performance Prediction capability for assuring an adequate sonobuoy launch plan.
- Display of energy levels on a tactical plot from passive and active sonobuoys in order to reduce operator workload when locating threats.
- Intuitive and user-friendly Graphic User Interface.
- Passive & Active sonobuoys in analog and digital implementation.
- 3-D Lofargram.
- Automatic detection and tracking.
- Localization tools (TMA, Automatic Cross Fixing, Kalman Filter, CPA).
- Energy plot.
- Multistatic plot.
- Onboard Training (OBT).
- Record & replay (Real, Fast and Slow speed) capability (STANAG 4283).

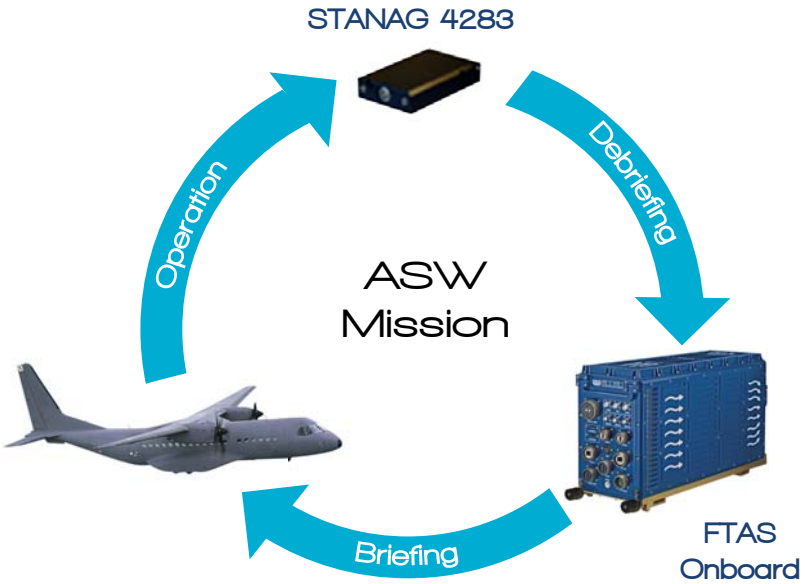
SPAS is the only high-tech acoustic processor of sonobuoys able to be totally customized to adapt to platform, operational concept, number and type/ subtype of sonobuoys.

The key of ASW mission success: Briefing and debriefing

Ground systems for post-mission analysis and training

- FTAS: (Fast Time Analizer System): to analyze the acoustic and tactical data (STANAG 4283 Ed. 5) recorded during the ASW Mission.
- TAT (Tactical Acoustic Training): for training and coaching purposes of the Acoustic Operators.

SPAS supports each phase of an ASW mission to provide the highest level of mission success.



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