

SPAS

Sonobuoy Processing Acoustic System

SPAS is a versatile system for processing sonobuoys on board ASW platforms.

The system features advanced technologies and unique processing algorithms from SAES that automate threat detection and classification, reducing operator workload and optimising mission efficiency.

Digital and analogue sonobuoys

SPAS concurrently processes up to 64 passive and active sonobuoys in analogue and/or digital configuration.

Multistatic processing

SPAS includes multistatic processing offering greater detection coverage. Multistatic increases detection distance and improves accuracy in locating detected contact.

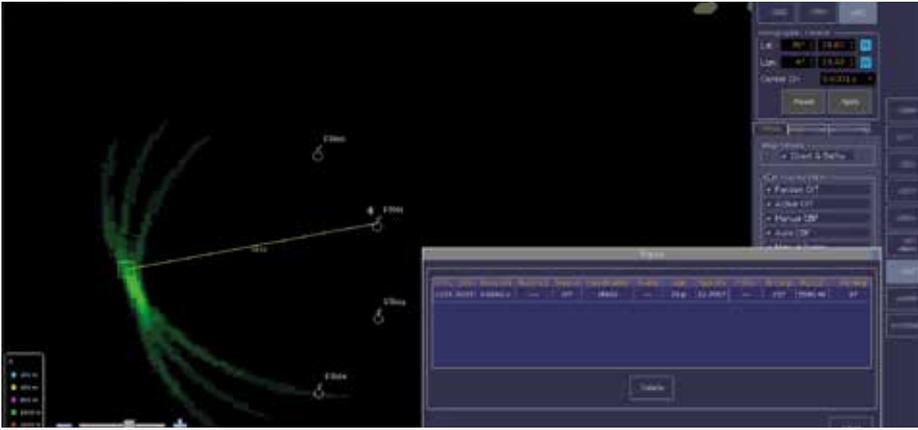
Compact design

Thanks to its design (weight, consumption and reduced footprint), SPAS is perfect for installation on aerial platforms and vessels.

Open and modular architecture

The SPAS system can be configured according to customer requirements, and can be adapted to the ASW platform, and to the number and type of sonobuoys.





The SPAS graphical interface has been developed and optimised alongside the acoustic operator.

Features

- Algorithms for threat detection, acoustic analysis, location and tracking.
- Performance prediction tool that helps optimise the sonobuoy launch plan.
- Processing of active and passive sonobuoys in analogue and digital implementation.
- The graphical interface has been designed following intuitive operation, offering a high degree of automation that reduces the operator's workload.
- Automatic detection and tracking. Location assistance tools (TMA, Automatic Cross Fixing, Kalman Filter, CPA). Passive energy plot.
- Multistatic plot.
- Integrated training system.
- Implementation of the acoustic data recording standard STANAG 4283 Ed. 6.

The key to a successful ASW mission: briefing and debriefing

Ground systems for mission analysis and training

FTAS (Fast Time Analiser System): reproduces the acoustic and tactical information recorded during the ASW mission according to the STANAG 4283 Ed. 6 standard

TAT (Tactical Acoustic Training): acoustic training system for training acoustic operators.

SPAS supports all phases of the ASW operation to achieve the highest level of success in each mission.

