

➤ The STMS provides an accurate DGPS based sweep tracking capability and real-time control, health monitoring and diagnostics of the Thales advanced acoustic sweeps (Advanced Acoustic Generator [AAG] and Infrasonic Advanced Acoustic Generator [IAAG]) and the Thales electric sweep.



THALES AUSTRALIA

AMAS SWEEP TRACKER MONITOR SYSTEM (STMS)

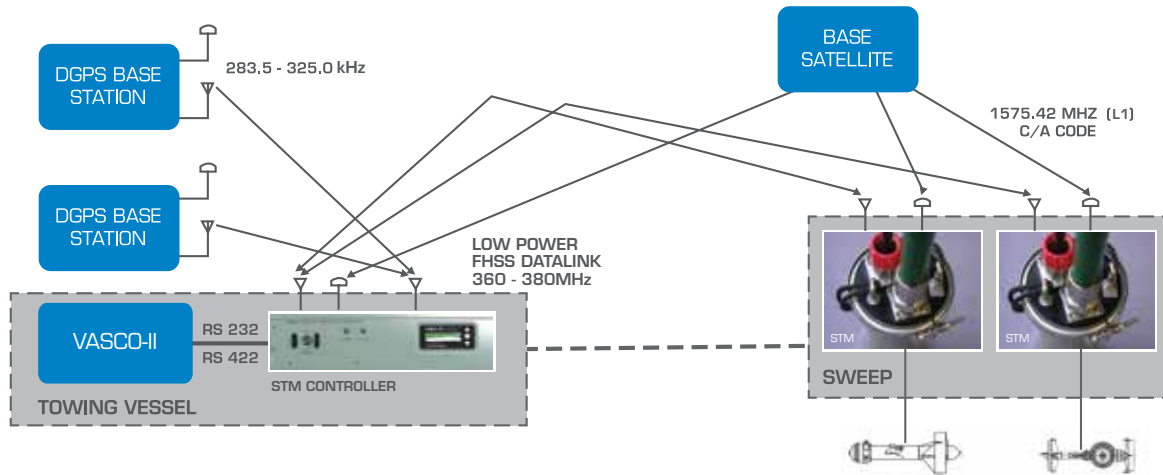




THALES AUSTRALIA

AMAS SWEEP TRACKER MONITOR SYSTEM

(STMS)



THE STMS

Accurate sweep tracking is required in Target Setting Mode (TSM) because the sweep is emulating a ship and the swept width of the sweep will be similar to the mine actuation profile of the ship.

The Sweep Tracker Monitor (STM) radio link combines the provision of real-time sweep tracking data with a flow of information and commands passing between the sweep and the towing vessel, or to/from a command platform via a drone, for remote controlled and autonomous minesweeping.

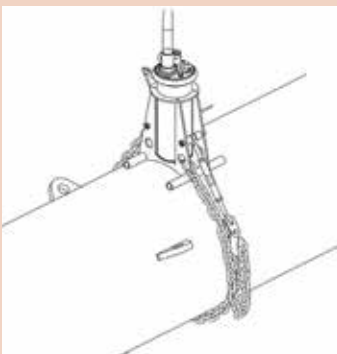
The position of each STM and the STM Controller (STMC) located on the towing vessel; and control and diagnostic information can be displayed on a computer running the VASCO-II navigation software, which can also be used for maintenance purposes.

STMS FUNCTIONALITY

The STMS provides the following functionality (the term AAG means both AAG and IAAG):

- Monitors AAG status (running/fault)
- Monitors telemetry status between the sweep and the towing vessel
- Switches the AAG on or off while underway
- Monitors position (Lat/Long WRT WGS84) and STM battery voltage
- Remote selection of alternative AAG algorithms stored in AAG memory
- Reads error codes remotely if an AAG fails (diagnostics)
- Data storage for subsequent replay and assessment
- Data download through 2 x RS232 and 2 x RS422 ports on the STMC installed on the towing vessel.

POSITIONING THE STM ON THE SWEEP



STM in cradle mounted on a Dyad, connects to AAG



Mine sweeping float with Sweep Tracker Monitor