

# CIS Combined Influence Sweep

## Clip-on sweeps requiring no external power source



# CIS Combined Influence Sweep

## Clip-on sweeps requiring no external power source

**Developed with the assistance of the Australian Defence Science and Technology Group (DST Group) and the Royal Australian Navy, Thales's Combined Influence Sweep (CIS) is a systems approach to minesweeping.**

Thales's CIS comprises of the following:

- A magnetic, acoustic and electric multi-influence sweep
- A mine jammer for time limited missions
- A sweep tracker monitor system
- Mission planning support system software
- ECDIS based minesweeping navigation and control system
- A range of integrated logistic support products and services including deployment containers and training.

CIS products can be deployed from Mine Countermeasure Vessels (MCMVs), naval support craft, remove controlled drones and craft of opportunity such as fishing vessels.

### CIS products

The CIS product range includes:

- Magnetic sweep
  - Dyads
  - Magnetic Mine Jammer (MMJ)
- Acoustic sweep
  - Advanced Acoustic Generator
  - Infrasonic Advanced Acoustic Generator
  - Cable Powered Acoustic Generator
- Electric sweep
  - Underwater Electric Potential/Extremely Low Frequency Electromagnetic

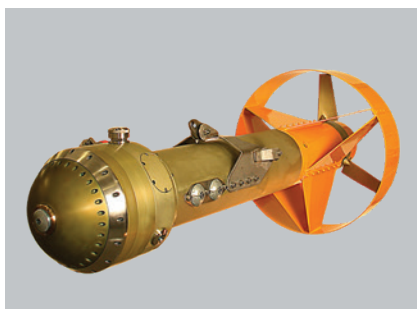
- Mission Planning Support System
- Sweep Tracker Monitor System.

### Key customers

- Indian Navy
- Indonesian Navy
- Japanese Maritime Self Defence Force
- Polish Navy
- Republic of Korea Navy
- Royal Australian Navy
- Royal Danish Navy
- Royal Navy
- Royal Thai Navy
- UAE Navy
- US Navy.

### Benefits

- Clip-on influence minesweeping system
- No external power required
- Low maintenance costs
- High reliability and availability
- Low risk proven technology
- Substantial shock factor tolerance.



Advanced Acoustic Generator



Dyads



UEP/ELFE Array