An unrivalled search rate to locate and track quiet submarines in deep and littoral waters even in high reverberation and noisy conditions

- **Deep and shallow water performance**
  Long range detection due to dipping sonar low frequency and extra large bandwidth.

- **Shortest dip cycle time**
  The fastest reeling machine with full automatic control & safety systems with the longest cable length available on the market.

- **Lightweight**
  Minimum impact on the helicopter with optimum low-frequency performance. Suitable for installation in USVs and light helicopters as well as larger helicopters types.

- **Robust**
  Extensive qualification testing and operational evaluation and fully proven in service.

- **Sustainable**
  Long-term, serial production guaranteeing short lead time and long-term support.

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**ANTI SUBMARINE WARFARE**

**FLASH Dipping Sonar**

Folding Light Acoustic System for Helicopter

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**PEDIGREE**

More than 190 systems delivered, in continuous production of 30 systems/year

The FLASH family has been selected by:
- French Navy (NFH90)
- Norwegian Navy (NFH90)
- Royal Australian Navy (MH-60R within Raytheon ALFS)
- UAE Navy (Cougar)
- UK Royal Navy (Merlin EH 101)
- US Navy (MH60R within Raytheon ALFS)

A large installed base to build on worldwide in-service operational and training experience.
ANTI SUBMARINE WARFARE

FLASH Dipping Sonar
Folding Light Acoustic System for Helicopter

OPERATIONAL HIGHLIGHTS

No depth to hide
Due to its deep dip capability FLASH is able to insonify the full water column and thus avoid non-detection areas.
Low frequency and large bandwidth active transmission secures a detection/classification capability fully compatible with the latest long range torpedoes.
The shortest dip cycle time with the latest sonobuoy processing capability provides unrivalled area coverage.

MAIN CHARACTERISTICS

- **Frequencies**
  - Choice of three frequencies between 3 and 5kHz

- **Transmission Modes**
  - Omni-directional

- **Pulse Modes**
  - FM, CW, COMBO (FM & CW)

- **Deployment / Recovery**
  - Up to 8.5m/s

- **Maximum Operating Depth**
  - 750m

- **Stand alone System Weight**
  - 306kg, including the Submersible Unit (80kg) and its 750m cable

- **Active Modes**
  - Mono or Multi-static modes

- **Operator Aids**
  - Active and passive raw displays, panoramic/geographic display, autoralert management, automatic multiple target tracking, performance prediction and optimum depth tools, automated BITE/system health monitoring.

- **Full color HMI**
  - PPI Display
  - Performance Prediction Display

WITH FLASH NO DEPTH TO HIDE

0 Range 40 km
50 m
500 m
750 m

France: Thales Underwater Systems SAS - 525 route des Dolines, 06903 Sophia Antipolis ; +33 (0)4 92 96 30 00
UK: Thales Underwater Systems Ltd - Ocean House, Templecombe, Somerset BA8 ODH ; +44 (0)1963 370551
Australia: Thales Australia Ltd - 274 Victoria Rd, Rydalmere, New South Wales 2116 ; +61 (0)2 9848 3500
airborne.TUS@thalesgroup.com