



## SONIC SYSTEM FOR HELICOPTERS

The company is the design authority and prime contractor for the OTS-90, the sonic system selected of the NFH 90 helicopter for Italian and Dutch Navies. OTS-90 is an advanced, integrated system which maximizes the probability to early detect and classify any potential underwater threat.

It is composed of two main subsystems:

- Low Frequency Dipping Sonar Subsystem
- Sonobuoy Subsystem

Integrated by means of a Common Acoustic Processor (CAP). The Dipping Sonar Subsystem (DSS) derives from the HELRAS Low Frequency Sonar developed by L-3 Ocean Systems and is manufactured under L-3 O.S. license, for the NFH 90 program, by ELAC NAUTIK (D), FOKKER ELMO (NL) and the company (I).

The Sonobuoy Subsystem (SBS) has been tailored to meet performance and weight needs and is compatible with all NATO standards sonobuoys. It includes an embedded Sonobuoy Localisation System.

### KEY FEATURES

- Simultaneous Dipping Sonar and Sonobuoy Processing
- Passive and active operating modes
- Analog and digital Sonobuoy processing
- CW and FM active transmissions
- Broad band, narrow and DEMON passive processing
- Automatic alert and tracking
- Automatic passive classification
- Various display format/modes
- Multichannel passive display
- Single channel passive analysis display
- Graphic computer aids
- Performance prediction functions
- Record and playback functions
- Built-in test capability

# OTS-90

