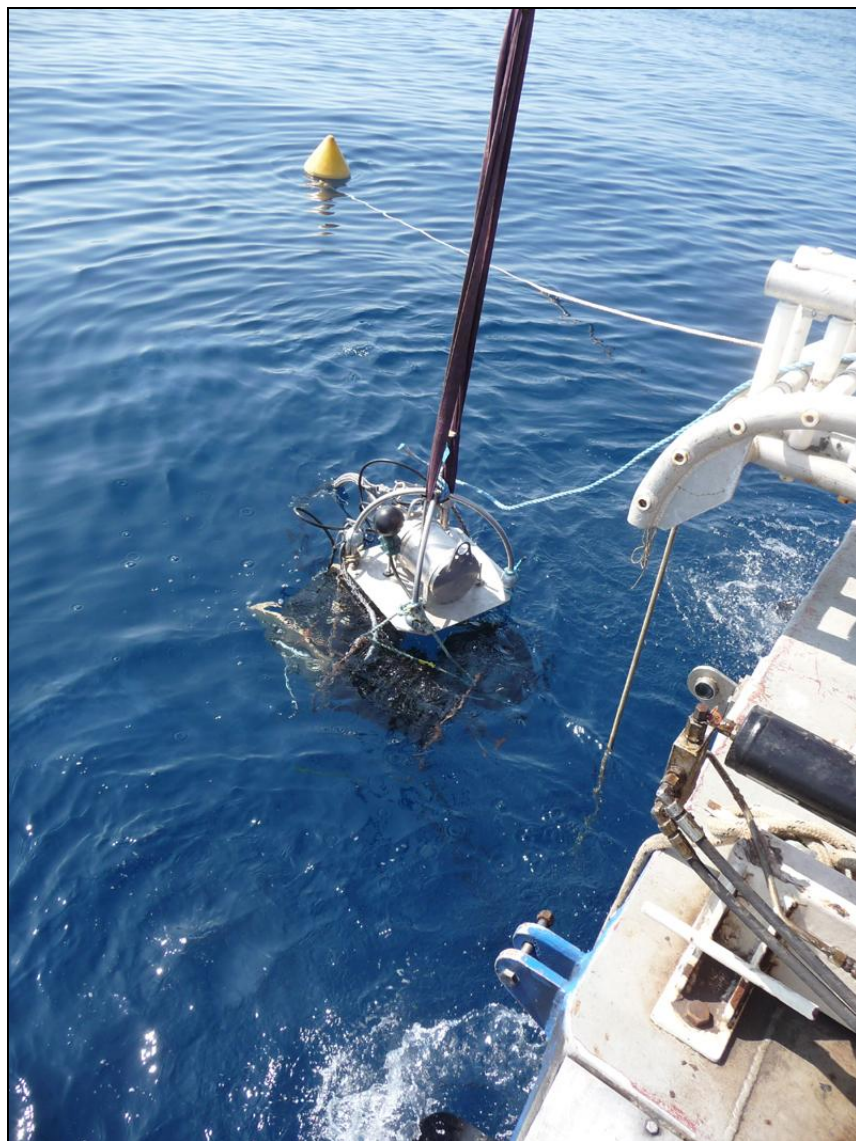


UNDERWATER FULL ANALOG LISTENING STATION



I N T R O D U C T I O N

The Underwater Full Analog Listening Station is located in Mediterranean Sea, at 100m depth. This system is used for acoustic noise measurement from navy ships. This fully analog system is capable to measure at level below "Sea State zero".

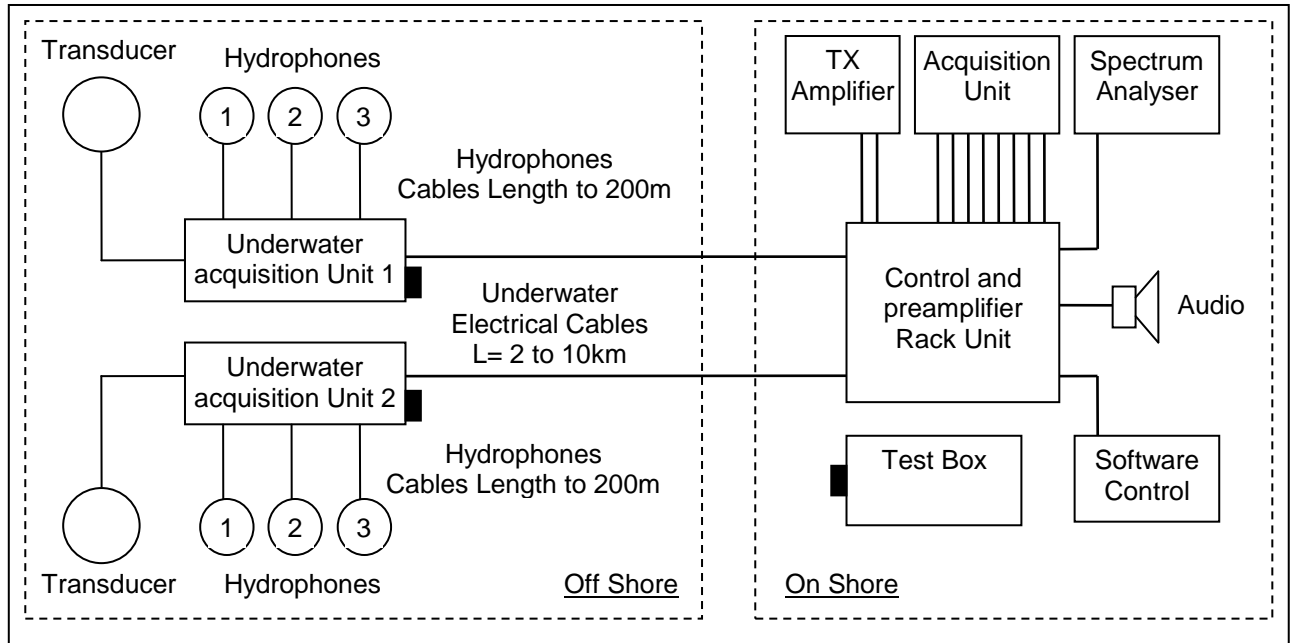
Each system includes the following elements:

- v 6 hydrophones MF,
- v 2 underwater acquisition hydrophones unit,
- v 2 Underwater electrical cable;
- v On shore control, display Rack unit and power supply.

O S E A N

T e c h n o l o g y

TECHNICAL SPECIFICATIONS



Reception :

Hydrophone Number	:	3
Hydrophone bandwidth (+/- 3dB)	:	50kHz
High pass filter	:	F= 5Hz @ -3dB
Low Pass filter switchable	:	F= 20kHz @ -3dB
Programmable Gain control	:	-10dB to +62dB by 6dB step
Gain precision	:	± 0,05dB
Output noise	:	Below Sea state zero
Monitoring	:	Voltage and current
Remote Control	:	ON/OFF hydrophone channel
In situ Calibration function	:	Full channel calibration (piezo to output)
Measurement Transmission	:	Low EMC shielded twisted symmetrical pair

Transmission :

Operating Frequency range	:	6 kHz to 20 kHz
Transmit source Level	:	> 180dB ref.1µPa @1m
Directivity Pattern	:	Omni-directional

Software Control

Functionality	:	Full calibration and system Control
Communication	:	Serial link
Standard	:	RS 485
PC requirement	:	1,2GHz mini, running Win XP / Linux