ELAC SONAR

A COHORT PLC COMPANY

UT 2200

ANALOGUE / EMERGENCY UNDERWATER COMMUNICATION SYSTEM

The UT 2200 is a small, emergency underwater telephone system for analogue through-water communication.

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EMERGENCY UNDERWATER TELEPHONE SYSTEM FOR ANALOGUE THROUGH-WATER COMMUNICATION

The analogue communication is compliant to STANAG 1475 and supports single-side band (SSB) communication modes for telephony (voice) or telegraphy (morse coding). An additional pinger mode enables the UT 2200 to operate as a beacon for signaling purposes or emergency transmission.

14 different operating frequencies in the range from 8.0875 to 45 kHz are available, depending on the transducer in use. Three of these frequencies can be preset and are available directly from the front panel.

The UT 2200 can be powered by 28 V DC ships supply and is further equipped with a built-in lithium battery-pack allowing operation without ships supply power. With its ruggedised design and built-in lithium battery-pack the UT 2200 is perfectly equipped for emergency situations.

Main benefits

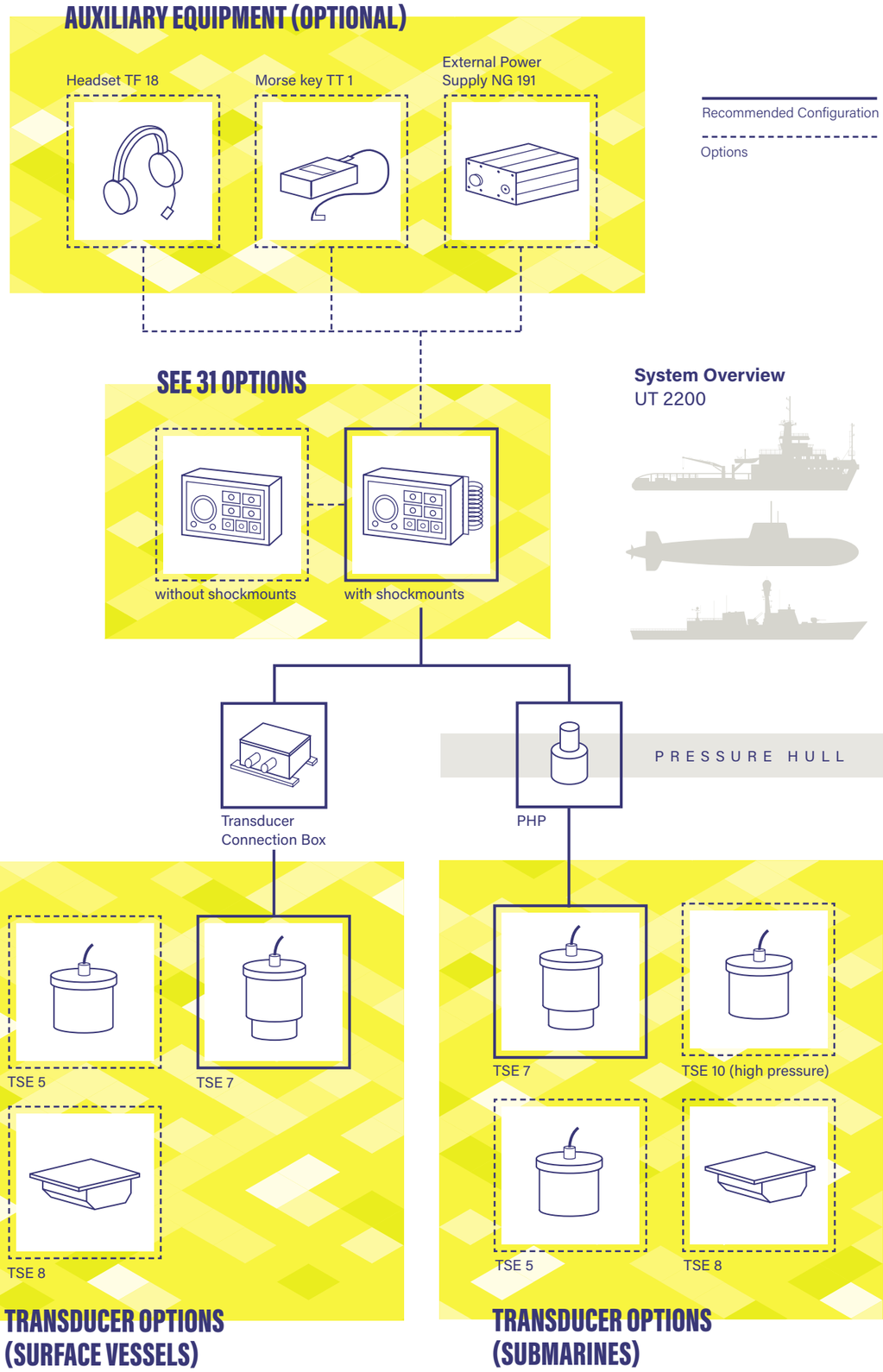
- **emergency operation without accessories by additional microphone and press-to-talk switch integrated in the housing**
- **optimal environmental protection by rugged mechanical construction**
- **long operating time with internal lithium battery**
- **very low power consumption**
- **MTBF > 10,000 hours**

Key features

- **communication according to STANAG 1475**
- **sonar beacon operation according to STANAG 1382**
- **compatible to NATO underwater telephones**
- **compact and ruggedised design**
- **tested according to military standards**

UT 2200

Mobile application in Peli™Case



System Overview
UT 2200

TECHNICAL DATA

Performance Data

Carrier frequency	three selectable frequencies for all operation modes; frequencies can be chosen out of 14 possible frequencies between 8.0875 and 42 kHz (including frequencies defined in the STANAG 1475)
Modulation	amplitude modulation (AM) with upper sideband and suppressed carrier (SSB)

Operating modes

Telephony	300 – 3000 Hz (audio bandwidth)
Telegraphy	800 Hz (audio tone)
Pinger	150 ms (pulse length) 1 min (repetition time)

Receiver data

Output power volume	max. 1 W at 4 Ω
Audio output range	> 60 dB (adjustable by gain)
Squelch	settings: ON / OFF

Transmitter data

Output power	max. 100 W at 35 Ω
Switchable	0 / -10 / -20 dB

Operating time

Normal operation	unlimited (at ship's 28 V DC supply)
Emergency mode	acc. to STANAG 1475 supplied by internal lithium battery

Power supply

Standard version	28 V DC ship's supply acc. to STANAG 1008
Emergency version	28 V / 13 Ah (28 V DC ship's supply and internal lithium battery)

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