

# Sonar Beacon System



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## Emergency Acoustic Pinger for Submarines



When an emergency situation happens, it's vital for a submarine to indicate her current position to the vessels around, especially to the Search & Rescue Ship. Sonar Beacon System is developed to operate as a distress pinger and to transmit sonar signals from submarine in emergency conditions.

Within that purpose, under such emergency circumstances, KBS Sonar Beacon System transmits alarm signals in;

- 9 KHz. Low Frequency,
- 37,5 KHz. High Frequency,
- Activated automatically or manually.

Low frequency signal can be detected from very long ranges, while the high frequency transmission gives the current position information with high accuracy to the Search & Rescue Ship.

The power of system is completely independent from the mains of the submarine.

System does not require any battery replacement before 5 years while the system waits in idle mode.

System has Navy Type Piezoelectric Ceramic based Low Frequency and High Frequency Transducers.

### OPERATIONAL FEATURES

- Automatic activation by water
- Manual activation under operator control
- Operational in collapse depth of submarines
- Compatible with STANAG 1298 and STANAG 1382
- Sonar signal transmission at 9 KHz and/or 37,5 KHz
- Higher than 850 hours usage with transmission of both frequencies
- Monitoring the transmitting frequency or frequencies via display unit
- Battery and system health testable
- 5 years maintenance free battery (depending on the test cycles)

Üniversiteler Mah. İhsan  
Doğramacı Bulvarı No:17/B 06800  
ODTÜ Kampüsü-Ankara/ TÜRKİYE

Tel +90 (312) 218 89 00  
Fax +90 (312) 218 89 90

info@kocsavunma.com.tr

Ünalan Mah. Ayazma Cad.  
Çamlıca İş Merkezi B3 Blok 34700  
Üsküdar İstanbul/ TÜRKİYE

Tel +90 (216) 556 11 00  
Fax +90 (216) 556 11 88

www.kocsavunma.com.tr