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## TALISMAN-R

### Safe and Sound Waterfront

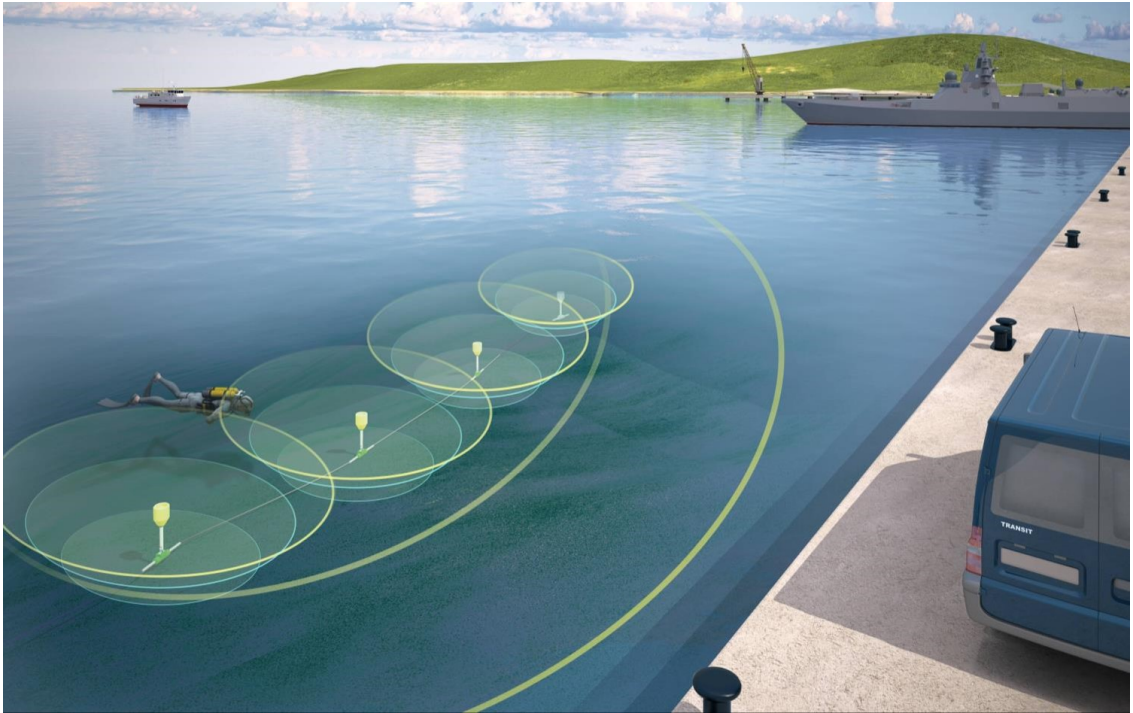
Reliable Hydroacoustic Detection of Hostile Objects Underwater.

- ▶ Borderline intruder detection system;
- ▶ Active vertical echo sounding system;
- ▶ Clearly distinguishing noise and real threats.

Talisman-R is a hydroacoustic early warning device detecting any non-authorized underwater objects or divers with vertical echo sounding. Low-power sonars (LPS) connected into a line with fiber optic cable reliably alarm about any attempt to approach secured area from waterside. LPS transceivers are connected into one 1000 m line and simultaneously emit a sounding high-frequency acoustic signal. Sonar signals reflected from the surveillance object (sonar target) are received, filtered and amplified by the transceivers.

Main characteristics:

- Max deployment depth underwater, m: 10-60
- Operating frequency range, kHz: 40 to 70
- Monitored area borderline dimensions around the sonar section installation line, min, m: :
  - Width: : 50
  - Depth: : 60
  - Length: 4000
  - Underwater object detection probability with a stream of false alarms not more than one per day : 0.95
  - Consumed power, kW: 2.5





**ROSOBORONEXPORT**

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