



# DSIT Solutions Ltd.



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For the past two decades DSIT Solutions has been developing and applying state-of-the-art technology in the fields of advanced sonar and acoustic systems. The company's solutions are designed to meet the needs of Homeland Security, energy, commercial, and defense markets. For over 15 years, the company has worked closely with the Israeli Navy and other navies, as well, on a range of maritime projects and employs a world-class multi-disciplinary team of professionals that are skilled in the latest and most advanced technologies and development environments. Many of the company's team of professionals have served as high-ranking officers in the Israeli Navy.

## Underwater Surveillance Sonars

DSIT has developed a world leading family of underwater surveillance systems. The company entered the field at its inception with its innovative AquaShield™ Diver Detection Sonar (DDS) System, which now protects ports and energy terminals from the threats of hidden underwater approach and illicit actions at coastal and offshore underwater sites around the world. As the demand for underwater security grew, DSIT took steps to meet the challenge developing specialized underwater surveillance systems that meet the surveillance needs of all types of critical coastal and offshore installations. Today, the Shield family includes not only the Long Range AquaShield DDS, but also lighter medium and short range systems for portable use, long range systems that are designed to detect swimmer delivery vehicles (SDVs) and mini subs and systems that can detect submarines at distances of up to 100 kilometers.



## Advantages

DSIT's flagship Diver Detection Sonar system, the AquaShield gained its leading reputation by providing the longest available detection and classification ranges that ensure adequate response time with a very low false alarm rate. The fully automatic system requires no operator to man the console as the system sounds an alert the moment a threat is identified, calling security personnel to view the display screen for the details. The AquaShield is functional in all weather conditions and its robust engineering enables it to withstand the explosive force of up to .2 kg of TNT at a distance of only 5 meters from the underwater unit. Classification Algorithms developed in house make the entire Shield family of detection systems the best available means for protecting valuable water-bound installations.

## Other Important Information:

In addition to the aforementioned applications, DSIT offers a wide range of advanced sonar solutions. All of the Company's hardware and software development activities are ISO9001:2008 and ISO 9000-3:2004 certified for the design, development and integration of software, hardware, and embedded systems. Strict adherence to these standards and to the highest military standards is maintained, as are rigorous project management policies.

**Ownership:** Acorn Energy, Inc. (USA) - 84%

**Management:** 16%

## Areas of Activity

**Perimeter Protection:** Underwater Diver, SDV, mini sub and submarine detection

**System Integrators:** Harbor and Port Security System Integrators (Harbor Surveillance Systems)

**Sonar and Acoustics:** Diver Detection Sonar system; Portable Acoustic Range (PAR); Underwater Acoustic Signal Analysis (UASA)

**Simulators and Trainers:** Generic Sonar Simulators; Submarine Trainers

## Seeking

- Strategic Alliances
- Joint Ventures