

dsIT Technologies Ltd.

Diver Detection Sonar System

Description. The ongoing threat of terror attacks since 9/11 has produced an awareness of the need to protect critical marine and coastal infrastructures — a growing priority for local and federal agencies and private corporations alike. Current marine surveillance solutions track above-water activity only, leaving the area under water vulnerable to intrusion by divers and swimmer delivery vehicles (SDV).

Established in 1985, dsIT Technologies Ltd. (formerly DSI) specializes in real-time and embedded systems. Building on its technical and operational experience in sonar and underwater acoustic systems for naval applications, dsIT has developed an innovative, cost-effective Diver Detection Sonar system, (DDS) that protects critical coastal and offshore sites through detecting, tracking, and warning of unauthorized divers and SDVs for effective response.

Advantages. The dsIT DDS system is the only one that offers —

- Long-range detection – gives more time to evaluate situations and potential threats to effectively determine the need for response, and improves actual response times
- Automatic detection and tracking – system includes automatic target recognition (ATR) and tracking
- Low false alarm rate – critical element in system prevents site shutdown and unnecessary intervention
- Best price/performance – fewer nodes translates into lower total cost of ownership, increased reliability, and reduced maintenance activity.

The dsIT DDS system comprises a command center staffed by one person. Underwater sonar units or “nodes” are strategically placed to provide maximum security with up to 360° coverage. The number and configuration of nodes are customized to meet each site’s unique requirements and topology.

DDS systems operate in all weather and water conditions. The system’s flexibility enables rapid deployment and adjustment to specific site conditions. The DDS sensors can be integrated with other sensors into a comprehensive command and control (C&C) system to provide a complete tactical picture both above and below the water for more intelligent evaluation of and effective response to the threat.

Competition. Diver detection is an emerging market sector that requires special expertise. Only a few companies are developing similar solutions, all of which have limited detection ranges and relatively high false alarm rates. dsIT’s solution is more cost-effective than these competitors and offers greater protection.

Market. According to the Department of Homeland Security (DHS), there are 361 seaports in the United States and \$1.9 billion designated to ensure seaport security in the 2005 DHS budget. The Nuclear Energy Institute lists 103 nuclear power plants in the United States, the majority of them located along the coasts or near other bodies of water. Thousands of naval installations, offshore gas/oil rigs, and terminals further expand the company’s market potential.

Approach to market. dsIT intends to form strategic partnerships with key industry players who have entrenched marketing networks and strong contacts in the homeland security arena. Potential partners include system integrators, sensor and sonar product manufacturers, providers of comprehensive harbor and homeland security solutions, and private companies that own strategic infrastructures such as power plants. The Company is also seeking investment for marketing and production of one or two full-scale demonstration systems for the US market.



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■ KEY PERSONNEL

Jacob Neuwirth (Noy), CEO, President

Extensive managerial experience in IT companies; Captain, Israeli Navy; Head of Naval Computer Center; BScEE, MBA, MSc information systems

Benny Sela, Executive VP, Head of Technology Division

Broad managerial, operations, R&D, and marketing experience in systems and software for industry and defense; Lt. Colonel, head of Electronic Warfare branch, Israeli Air Force; BScEE, MSc operations research, MBA

Dan Ben Dov, Sales and Marketing Director

Experience in high-tech marketing and business development, served in Israeli navy as command and control (C&C) and anti-submarine warfare (ASW) operational officer, LLB; BA, Management Studies

Yitshak Peery, Director of Naval Systems Division

Expertise in C&C systems, underwater acoustic systems, training simulators, communications, hardware and software development; commander, Israeli Navy; BScEE, MScEE

■ COMPANY OWNERSHIP

DSSI Inc. (NASDAQ: DSSI), 68%; Neuwirth Investments, 17%; Kardan Communications, 14%; Other, 1%

■ DDS STATUS

Prototype and demo system completed and tested in Bremerhaven Port, Germany; evaluation planned with Israeli Navy

■ CONTACT INFORMATION

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