



**E Sonar Inc.**

📍 St. John's, NL

E Sonar is a full service underwater acoustic engineering design and products company supporting users in science, fisheries and defense applications.

**VALUE PROPOSITION**

E Sonar’s expert developers and engineers provide underwater acoustic and sonar technology development services to the science, fisheries and defense sectors. By accessing their extensive IP library and focused expertise through an Extended Development Team Model, their customers can reduce development costs by up to 50% with shorter time to market and lower staffing commitment.

Their expertise includes sonar power amplifiers for transmission, low-noise preamplifiers, signal processing, MFSK data telemetry, broadband transducer design, hydrophone arrays, and coherent multi-channel digitization. Their software expertise includes multi-channel WAV files, data processing, digital filtering, data management, Linux hardware drivers, Linux backend services, and RTOS implementations.

**HIGHLIGHTS**

- Realize a 50% decrease in development costs through access their extensive IP library, focused expertise, and Extended Development Team Model.
- Collect and analyze low frequency data using their multi-channel hydrophone array’s improved detection range, digital radio telemetry, and 32-bit digitization.
- Navigate safely with AUV situational awareness technology for true autonomy, obstacle avoidance, altitude, forward seabed slope, lateral and surfacing clearance.

**OBJECTIVES**

E Sonar’s objective is to promote collaboration with companies that offer prospects for new supply chain opportunities in ocean technology. Their innovations include capability, experience and delivery multi-channel hydrophone arrays, & digitization systems up to 64 channels, enhanced with variable buoyancy engine technology for surfacing communications antennas from submerged moorings.

They provide AUV situational awareness sonar skin technology to support high value missions in confined, changing, and unknown areas of operation. This comprises an innovative modular, extensible, and adaptable perception solution that is real-time, at-the-edge, including a time-division multiplexed micro-sonar node suite with data processed onboard and sent to the vehicle.

**REPRESENTATIVE**



**Gary Dinn**  
CTO

[Company website](http://www.e-sonar.ca) [www.e-sonar.ca](http://www.e-sonar.ca)

[LinkedIn](https://www.linkedin.com/company/esonar) [www.linkedin.com/company/esonar](https://www.linkedin.com/company/esonar)