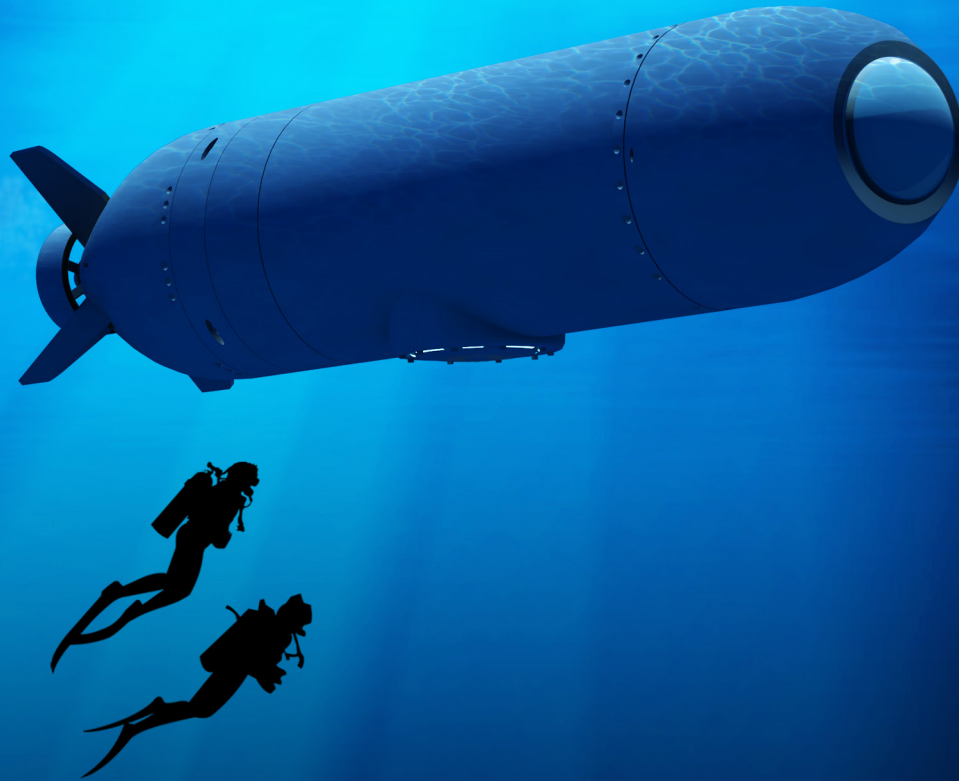


LIFT

LITHIUM-ION FAULT TOLERANT BATTERIES



- Safe, fault tolerant design
- High energy density
- Approved for use and classified by DNV-GL
- Long lifecycle
- Cost effective

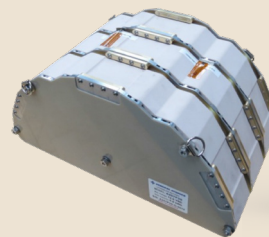
LIFT BATTERIES

General Atomics Electromagnetic Systems (GA-EMS) LiFT (Lithium-ion Fault Tolerant) batteries are designed to provide the desired lithium-ion performance in challenging surface, underwater, air, and ground platform operational environments. Our proprietary fault tolerant battery architecture prevents uncontrolled cascading failure, ensuring the safety of personnel and equipment while keeping power available for high mission assurance.

We closely monitor advancements in commercial off-the-shelf (COTS) Lithium-ion cell technologies. Our flexible design can take advantage of the latest cells, providing the highest energy capacity to meet the most demanding power requirements. As the need for more powerful battery systems increases, the LiFT battery system can be configured to suit different energy storage requirements and form factors.

DESIGNED FOR SAFETY AT EVERY LEVEL

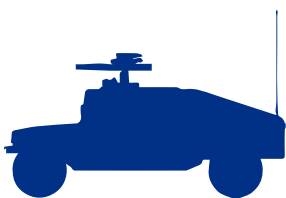
- ✓ **Cell Level:** Single cell failure fault tolerant
- ✓ **Battery Module Level:** Unique thermal management prevents runaway conditions
- ✓ **System Level:** Battery Management System provides passive cell balancing, temperature sensing and active/semi-active cooling



Configurable battery module for surface vessels and submersibles



6T lead acid replacement for ground vehicles



GROUND VEHICLES



AIRCRAFT



SURFACE VESSELS



**UNDERWATER MANNED/
UNMANNED VEHICLES**