



Lithium-ion Fault Tolerant

BATTERY SYSTEMS: POWER WITHOUT COMPROMISE.

General Atomics Electromagnetic Systems' (GA-EMS) **Lithium-ion Fault Tolerant (LiFT®)** batteries are engineered to deliver the desired power and performance for platforms operating in challenging environments.

Based on a patented fault-tolerant battery architecture, LiFT Battery Systems prevent uncontrolled cascading failure, ensuring the safety of personnel and equipment while maintaining power available for high mission assurance.

Safe, fault-tolerant design

High energy density

Proven high reliability

Approved for use by the U.S. Navy

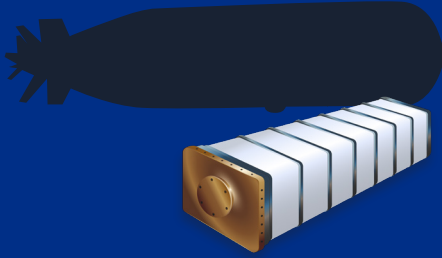
Classified by DNV-GL for safety, performance and reliability

Long lifecycle for greater cost-effectiveness

Long-distance, long-endurance mission support

Reduces maintenance and logistics

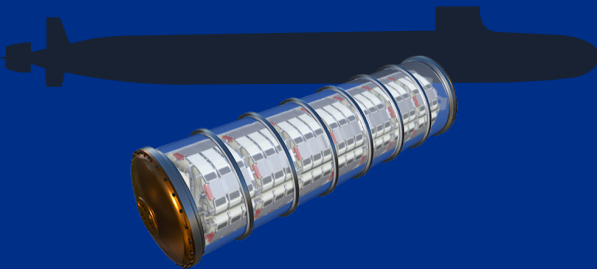
Compact Form Factor Designs for Aircraft
and Small Unmanned Undersea Vehicles



Lead-Acid Battery Replacement
Designs for Ground Vehicles



Large-Scale Platform Designs for Surface Ships
and Manned/Unmanned Undersea Vehicles

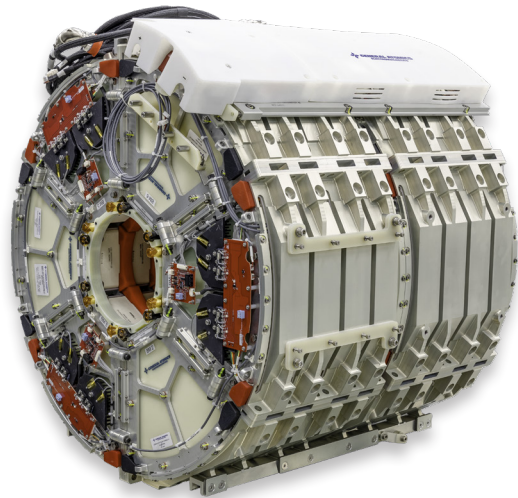


LiFT Batteries

LiFT Battery Systems offer a flexible, scalable, power solutions architecture that can be configured to meet a wide range of platform form factors, energy storage needs, and redundancy requirements. By leveraging the latest commercial off-the-shelf (COTS) lithium-ion cell technologies, LiFT delivers high energy capacity with safe, reliable performance—even in the most demanding mission environments.

DESIGNED FOR SAFETY AT EVERY LEVEL

- Cell Level: Built-in fault tolerance enables continued operation during isolated cell, multiple cell or multi-location failures
- Battery Module Level: Advanced thermal management prevents thermal runaway
- System Level: Integrated battery management system provides passive cell balancing, temperature monitoring and active or semi-active cooling



CONTACT INFORMATION

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