



LiFT

LITHIUM-ION FAULT TOLERANT BATTERIES

General Atomics Electromagnetic Systems' (GA-EMS) **Lithium-ion Fault Tolerant (LiFT™)** batteries are designed to provide 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 keeping power available for high mission assurance.

Safe, fault tolerant design

High energy density

High reliability

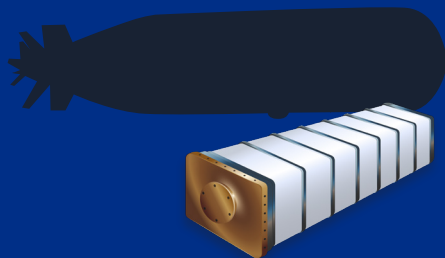
Approved for use by the U.S. Navy and classified by DNV-GL

Long lifecycle for greater cost effectiveness

Long distance, long endurance mission support

Reduces maintenance and logistics

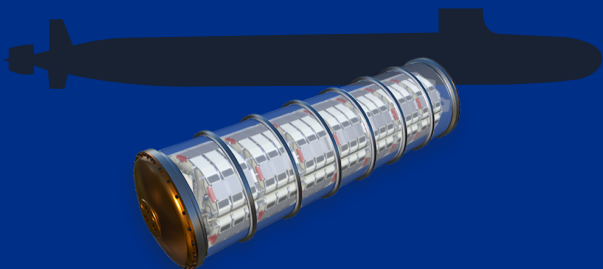
Compact Form Factor Designs for Aircraft,
Small Unmanned Undersea Vehicles



Lead-Acid Battery Replacement
Designs for Ground Vehicles



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

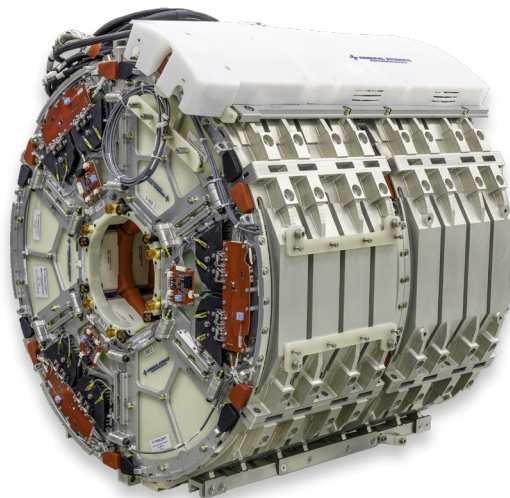


LiFT Batteries

LiFT Battery Systems offer a flexible, scalable architecture that can be configured to suit different platform form factors, and energy storage and redundancy specifications. LiFT Battery Systems take advantage of the latest advancements in commercial off-the-shelf (COTS) lithium-ion cell technologies to provide high energy capacity with safe operation for the most demanding requirements.

DESIGNED FOR SAFETY AT EVERY LEVEL

- Cell Level: Fault tolerance to enable continued operation during isolated cell, multiple cell and/or multiple location failure events
- 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



CONTACT INFORMATION

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