

Li-S Energy

BUILDING BETTER BATTERIES

Li-S Energy is an Australian ASX-listed advanced battery company delivering sovereign grade, next-generation lithium sulfur and lithium metal cells. Engineered and manufactured entirely in Australia, free from adversarial supply chains, our technology is designed for the most demanding applications.

Our patented, ultra-lightweight technology sets new benchmarks in energy density and safety across air, land, and sea - extending range, increasing payload, and enhancing operational endurance.

KEY FEATURES & ADVANTAGES:

Ultra-Lightweight Battery: Unlock extended range and longer flight durations with cutting-edge lightweight design. Enables higher payload capacity for unmanned systems, driving greater operational efficiency and performance in demanding remote missions.

Enhanced Energy Density: Maximise mission capability with next-generation lithium sulfur technology delivering higher energy density than conventional lithium-ion systems. Provides more usable power at reduced weight, enabling longer deployment times and increased system endurance for mission-critical operations.

Enhanced Safety: Our lithium sulfur cells demonstrate exceptional resilience under extreme conditions. Validated against rigorous U.S. military standards, including nail penetration testing, they maintain structural integrity without fire, explosion, leakage, or thermal runaway.

Allied Supply Chain: Built without nickel, cobalt, or manganese, our technology eliminates dependence on constrained and adversarial supply chains. It enables secure, allied-aligned procurement while delivering a more sustainable energy solution for defence operations.

CUSTOM SOLUTIONS:

Tailored Batteries: We provide customised solutions to meet specific energy needs.

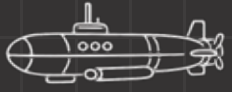
Sovereign Capabilities: Our end-to-end capabilities, from R&D to large-scale manufacturing, are fully integrated and locally based.

Experience the future of battery technology with the most advanced high-performance cells, engineered for maximum energy density, safety, and efficiency, all proudly developed and manufactured in Australia.

- KEY APPLICATIONS -



DRONES / UAVS



MARINE SYSTEMS



SOLDIER SYSTEMS



LAND SYSTEMS



E-AVIATION



Inside the Dry Room at Li-S Energy

Li-S Energy is redefining what's possible in advanced energy storage by moving beyond the limitations of conventional lithium-ion technology. As mission demands increase across autonomous systems, advanced mobility, and portable power, traditional batteries are reaching their ceiling in weight and performance.

Our lithium sulfur chemistry represents a generational shift - unlocking new levels of efficiency without reliance on constrained materials like nickel, cobalt, or manganese. The result is a cleaner, more strategically secure foundation for next-generation platforms.

Equally important is supply chain control. In an environment where access to critical technologies is increasingly scrutinised, Li-S Energy provides a trusted, allied-source solution - aligned with the priorities of defence and government partners seeking transparency, resilience, and independence from adversarial markets.

Our 2MWh facility in Victoria is Australia's largest pouch cell manufacturer and its first producer of lithium metal foil - a critical capability for next-generation anodes. Combined with one of Australia's most advanced battery testing facilities, we offer a fully vertically integrated, sovereign manufacturing capability.

With additional support from Australian Renewable Energy Agency (ARENA) to expand capacity and accelerate commercialisation, Li-S Energy is positioned to deliver the next wave of high-performance battery technology - reliably, allied and at scale.

At Li-S Energy, we're building better batteries.



- GET IN TOUCH -

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Li-S Energy

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