

**ASX ANNOUNCEMENT****FOR IMMEDIATE RELEASE TO THE MARKET****Li-S Energy Limited – ASX Code: LIS****Tuesday, 18 November 2025****Chairman's Statement and CEO Presentation**

Li-S Energy Limited (ASX: LIS) ("LIS" or "the Company") is pleased to provide the following which will be presented at the Company's Annual General Meeting today:

- Chairman's Statement
- CEO Presentation

Investors' attention is drawn to the power cell development on page 18 of this announcement.

This announcement has been authorised by the Board.

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## **Li-S Energy AGM 2025 Chairman's Statement AGM 18 Nov 2025**

### **Introduction**

Ladies and gentlemen, on behalf of the Board and the entire Li-S Energy team, I would like to welcome you to the 2025 Annual General Meeting of Li-S Energy shareholders.

My name is Ben Spincer, Li-S Energy's Chair, and I am delighted to be hosting the Annual General Meeting for Li-S Energy.

First, I would like to acknowledge the Traditional Owners of the lands on which we meet, the Turrbal and Jagera Peoples, and I pay my respects to their Elders past, present and emerging.

I would like to start by introducing the Li-S Energy team who are with me today. I am joined by my fellow Directors, Ms Hedy Cray, Mr Rick Francis and Managing Director, Dr Lee Finniear, who you will hear from shortly. I am also joined by the CFO Mr Andrew Davies, and the General Counsel and Company Secretary, Mr Will Shiel.

### **2025 Progress**

In 2025 Li-S Energy (LIS) has accelerated its transition from a research-led battery business to an engineering-led manufacturer with ever greater insights from partners and end users influencing key decisions. Our fully commissioned Phase 3 facility in Geelong remains the core of our production capability, producing hundreds of cells each week for testing. The capability of the facility has been significantly augmented by the addition of the 3S production line for our smaller format cell manufacture and the installation of our lithium foil extruder, roller and laminator, funded in part by an Industry Growth Program grant.

To help achieve this, I must also recognise the support of my fellow Board members during the year Marc Fenton, Hedy Cray, Rick Francis, plus the efforts of the management team led by CEO and now Managing Director, Dr Lee Finniear, CTO Dr Steve Rowlands, Chief Strategic Advisor Glenn Molloy and from our industry advisory Board of Bob Galyen and Isobel Sheldon OBE. I also thank our previous CFO, Ms Sarah Price who stepped down in September and returned to her role in our long-term shareholder PPK and her replacement Mr Andrew Davies who stepped up from his previous role as Financial Controller.

Finally, PPK representative Mr Marc Fenton retired from the Board in February this year and I would like to thank him for his contributions. Marc was replaced by Mr Rick Francis, who stands for election by shareholders at this AGM. And finally, Ms Hedy Cray retires from the Board at the conclusion of this AGM. Hedy has been an invaluable colleague on the Board since before our IPO and has also chaired our Audit and Risk Committee since its inception, and I thank her very much for her contributions over the years.

## Commercial Update

At the AGM last year I highlighted four key strategic objectives for the company over the next two years to build our commercial opportunities and shareholder value, namely:

1. Pathway to core revenue – through development of data sheets and test cells for partners and investment in battery pack development;
2. Additional funding and revenue streams – through targeting additional funding from Government Grants and revenue from new products such as lithium foils and laminates;
3. Strong partnerships with offtake agreements – once test cells are available, we will seek to evolve our end-user partnerships into conditional offtake agreements; and
4. A pathway to scale – offtake agreements and a proven manufacturing processes will allow us to develop options for the next scale of commercial facility and open up a range of licensing and funding models.

At the midpoint of that plan, we have seen significant development in 2025 across all four priorities. This is exemplified by today's announcement of a \$7.8 million grant from ARENA to support both optimisation of our current manufacturing processes, and the development of a feasibility and front end engineering design plan to allow expansion of our capacity to full commercial scale over time. Coupled with the diversification into battery precursor materials such as lithium foil and lithium laminates, we are extremely well positioned for a range of growth opportunities.

We have continued to develop our core technology platform with a focus on scale manufacturing consistency to continuously improve cell performance plus our exciting work on a proprietary battery management system to increase our reach across the value chain.

Grant funding continues to be an important support for the business, with the ongoing Trailblazer and EATP programs augmented by Industry Growth Program funding to support our lithium foil manufacturing capabilities.

We have announced a number of new and significant commercial partnerships in the year and further developed existing partnerships. We have delivered full battery packs containing dozens of individual cells through our project with VTOL Aerospace. In March this year we also announced an exciting collaboration with the New Zealand high altitude drone manufacturer Kea Aerospace and we believe that their mature platform is ideal for the energy and power density of lithium sulfur cells. In June we also announced a collaboration with a major defense partner and in October we entered into a partnership with Praetorian Aeronautics that is developing an advanced anti-drone platform. It is a reality of the times we live in that our lightweight, ultra high energy batteries have garnered a huge amount of interest across the intersection between drones and defense industries.

Pathway to scale remains a major target for 2026, with a focus on transitioning existing collaboration partners to commercial offtake agreements and further development of plans for scaled up manufacturing, accelerated in part through the funding support provided by ARENA.

## R&D Update

In 2025, our significant investment in R&D continues to bear fruit. In October 2024 we announced we had achieved a world-class 456 Wh/kg post formation energy density for a commercial sized 20Ah lithium-sulfur cell. We believe this is one of the highest energy densities of any commercially available cell and has sparked a huge amount of commercial interest.

Then in November we achieved a more tangible validation of our technology by achieving a first fixed wing drone flight powered by our Phase 3 cells. The 6S2P battery pack with 12 lithium-sulfur cells powered the drone for a total flight time of over 30 minutes.

Another important component of our R&D program is to optimise the use of boron nitride nanomaterials in our cells. With our new lithium extrusion and lamination technology in place we expected to accelerate the commercialisation of our unique nanomaterials IP over the next year to further improve the life of our cells.

Finally, with the improved quality control across both anode and cathode materials in recent months, we are excited by the new development of a high power battery that can sustain much higher discharge rates than our standard cells. We now have the opportunity to commercialise cells optimised for power, or energy, or durability, all within the inherently safe lithium sulfur chemistry.

Most of the lithium-sulfur R&D is now conducted in-house in Geelong under the guidance of CTO, Dr Steve Rowlands, but we continue to utilise and appreciate the ongoing support from the team at Deakin University, our long-term partner.

## Shareholder Support

LIS values the continued support of its shareholders as we commercialise our innovative battery technology. One of our founding shareholders, PPK Group, reduced its holding in the year to just under 40%, deconsolidating LIS from its own accounts. We continue to have a close relationship with PPK Group, including their provision of financial and legal management support to us.

The capital raised at IPO has ensured that not only can the company fund its ongoing development work, but has also retained a healthy balance sheet in difficult economic conditions with \$18.9m of cash and cash equivalents at the end of the 30 June 2025 financial year. This gives us the strategic flexibility to continue to invest in, and develop opportunities as they arise for a number of years, and has been instrumental in supporting our co-contributions to the various grants that we have been able to access.

## Outlook

2025 has been another incredible year for LIS as we accelerate down the path to commercialise our world class lithium-sulfur battery technology. We have increasingly built our presence at global trade shows as our technology matures and this has seen a significant uptick in commercial interest that we expect to accelerate in 2026.

Our Phase 3 facility is a unique sovereign capability that will allow the rapid development of our cells and underlying manufacturing processes, and we are already working towards planning for a larger Phase 4 facility in the future. As we have said previously, we are not tied to a particular model to fund or develop this facility to ensure that we maximise returns for shareholders, and we will explore all avenues, including: greater Government support; licensing and joint venture options; and a range of project financing options. Implicit in development of these plans is our continued R&D work in parallel to continually improve our cell performance through novel manufacturing techniques and new IP and also our growing focus on customer requirements so we can progress from collaborations to commercial off-take agreements.

We look forward to keeping you informed on our progress as we move forward into 2026 and beyond.

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Li-S Energy

2025

AGM

CEO Presentation

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18 NOVEMBER 2025

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# TODAY'S NEWS ...

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Today ARENA awarded a \$7.8M  
Grant to Li-S Energy....

It is a major endorsement of the  
Company's strategy by the Federal  
Government ....

More to follow later in the  
presentation ....



# Our Two-Year Strategic Objectives (2025-2027)



## PATHWAY TO CORE REVENUE

- Revenue from battery cell sales
- Consulting revenue
- Licensing revenue



## ADDITIONAL FUNDING AND REVENUE STREAMS

- Federal and State Grants
- Li-foil sales & related services



## STRONG PARTNERSHIPS WITH OFFTAKE AGREEMENTS

- Partners testing and trialing our battery cells and BMS
- Conditional offtake subject to successful trials



## PATHWAY TO SCALE

- Clear, professional plan
- Feasibility Study
- JV & Strategic Partner engagement
- Potential Financing

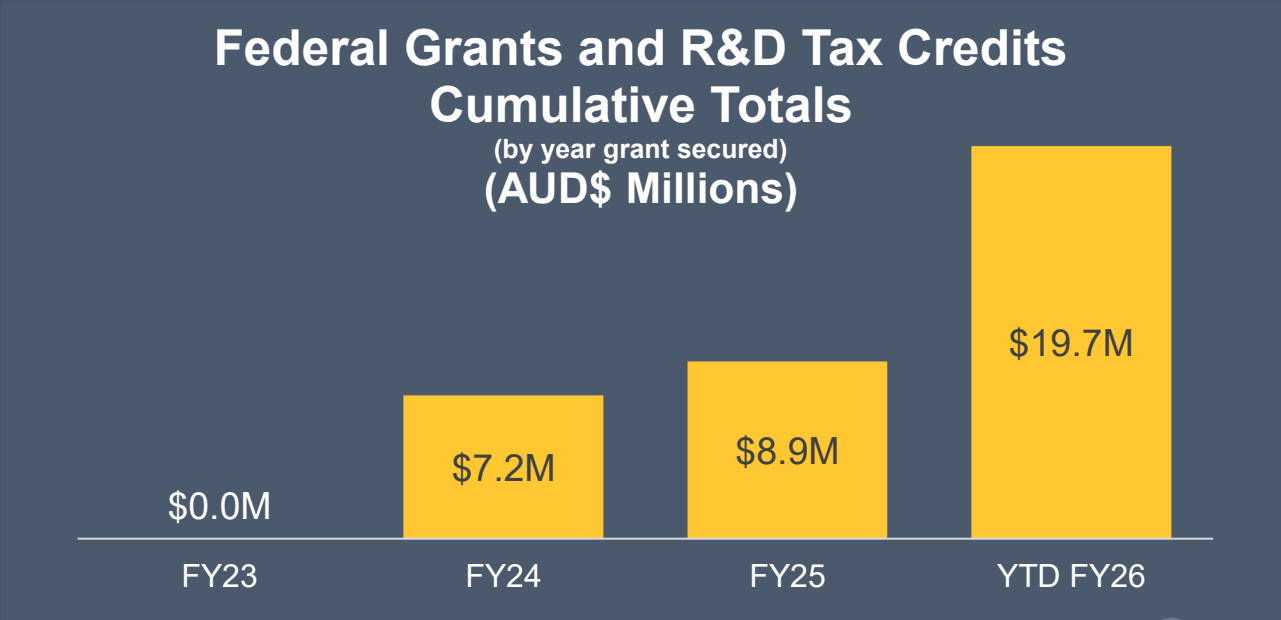
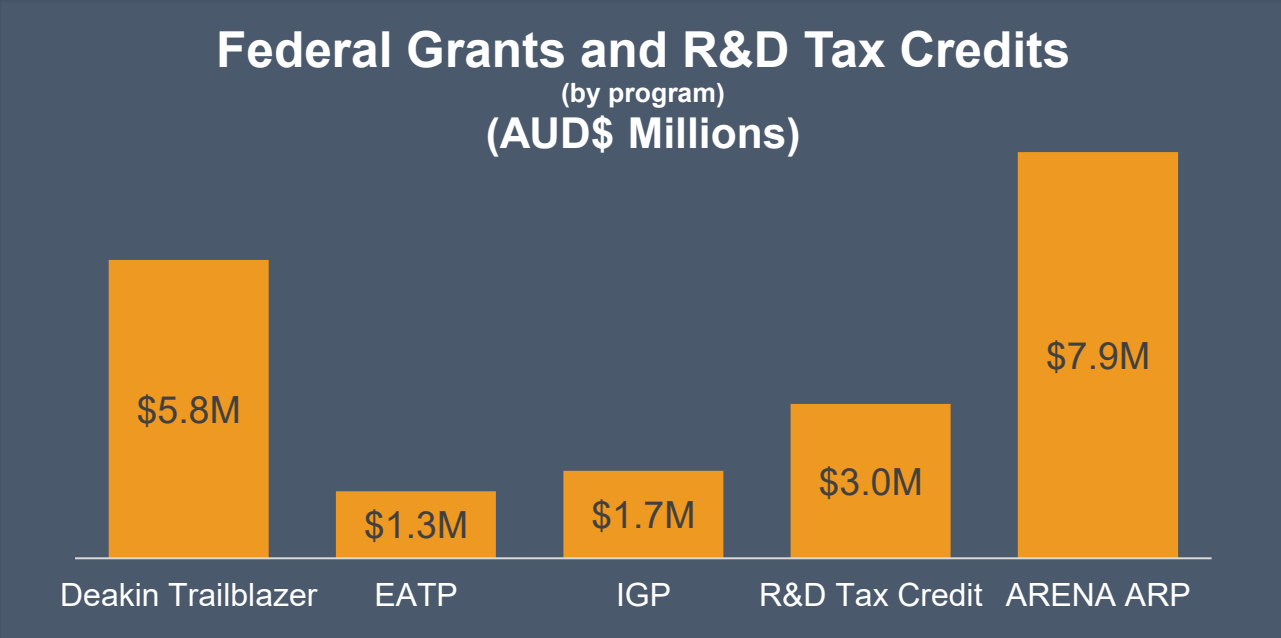
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# Financial Snapshot

- Significant investments in capital infrastructure and battery development programs.
- Secured \$19.7M in federal grants and funding, with \$12.9M of the funds yet to be received.
- Maintaining a prudent approach to cash management.

Financial Assets as at 30 June 2025	
Cash	\$14.9M
Interest bearing Investments	\$2.0M
Interest bearing loans receivable	\$2.0M
<b>Total as at 30 June 2025*</b>	<b>\$18.9M</b>

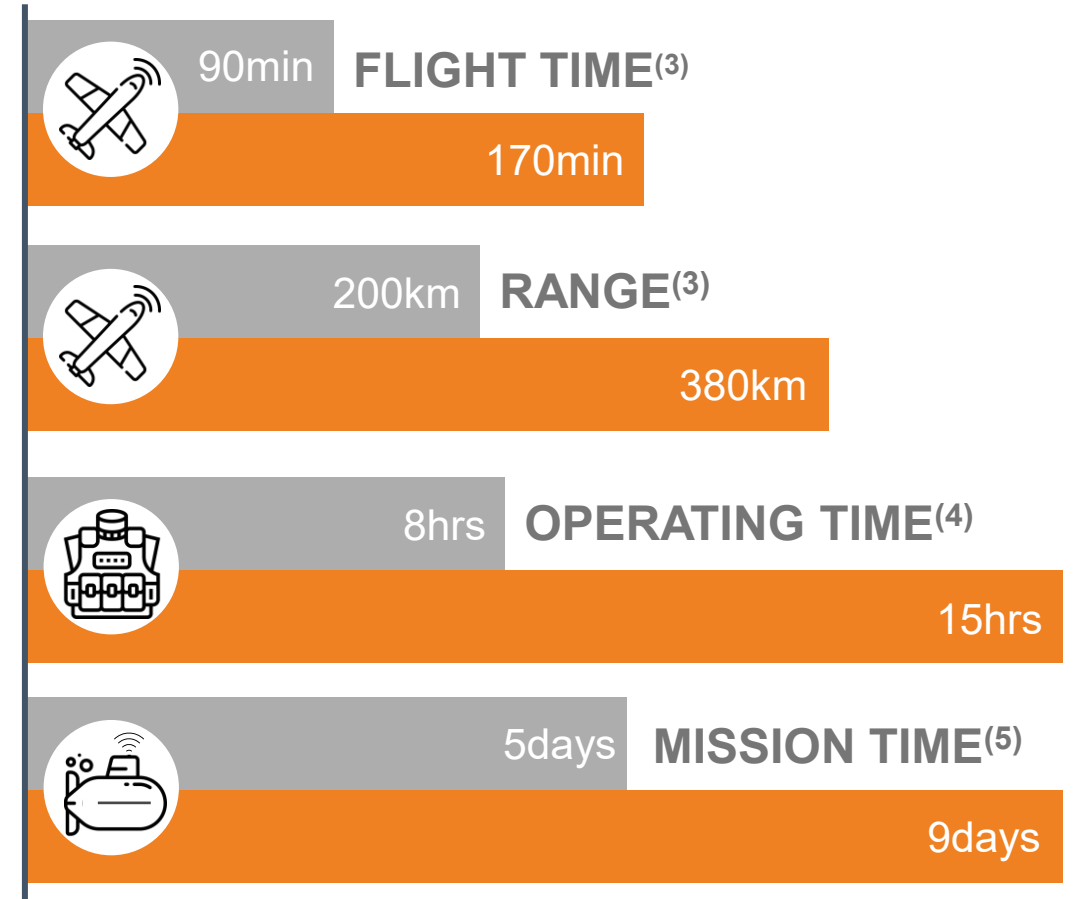
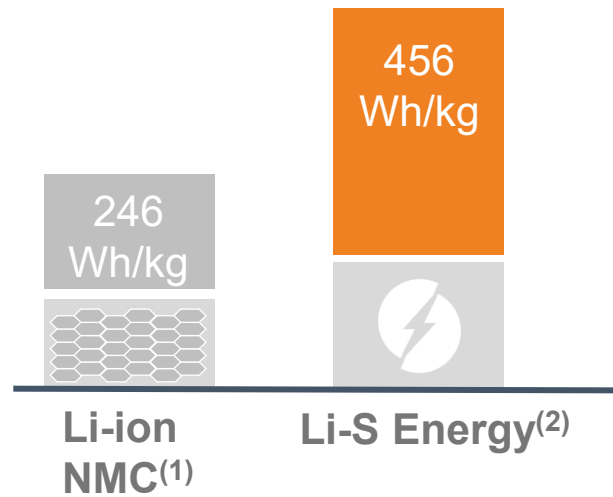
\* Total as at 30 September 2025 was \$16.4M



# Performance Advantages

Li-S Energy's lightweight batteries deliver extended range and operating times

## Energy Density Advantages







Typical expected performance advantages for the same battery weight

- 1) Compared to Panasonic NCR18650BF – a typical example of a high energy density lithium-ion battery
- 2) Actual 20Ah Li-S Energy battery cell energy density measured by Li-S Energy after formation cycling (initial discharge reached 496 Wh/kg)
- 3) Flight time & range – fixed wing long endurance drones, estimated based on increase in available energy stored in the same weight of battery pack, plus initial battery pack testing
- 4) Operating time – conformal wearable batteries, illustrative operating time estimate based on same weight carried, alternative configuration reduces weight for same operating time
- 5) Mission Time – estimate based on operation of large unmanned underwater vehicles for the same weight of batteries – alternative configurations reduce weight for similar mission times

# Markets & Prospects

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HORIZON 1		HORIZON 2		HORIZON 3			
 <b>DRONES</b>		 <b>DEFENCE</b>		 <b>HEAVY EV TRANSPORT</b>		 <b>E-AVIATION</b>	
<b>E:</b> ✓ Twice the range ✓ Twice the flight time ✓ More payload		✓ Half the weight ✓ Safer ✓ Twice the range & flight time		✓ Lighter & safer ✓ Lower axle weights ✓ Longer range ✓ More payload		✓ Twice the range ✓ Safer ✓ More payload	
<b>RY E:</b> USD\$42 Billion by 2034 <sup>1</sup>		USD\$2.7 Billion by 2030 <sup>2</sup>		USD\$85 Billion by 2040 <sup>3</sup>		USD\$35 Billion by 2050 <sup>4</sup>	
<b>KEY S:</b> <ul style="list-style-type: none"><li>• Boeing</li><li>• VTOL Aerospace</li><li>• Kea Aerospace</li></ul>		<ul style="list-style-type: none"><li>• Boeing</li><li>• Praetorian Aeronautics</li><li>• Others under NDA</li></ul>		<ul style="list-style-type: none"><li>• Janus Electric</li></ul>		<ul style="list-style-type: none"><li>• Magnix Aero</li></ul>	
<b>S:</b> <ul style="list-style-type: none"><li>• Uncrewed Air Systems</li><li>• Uncrewed Ground Vehicles</li><li>• Uncrewed Underwater Vehicles</li><li>• Uncrewed Sea Vehicles</li><li>• Marsupial Systems</li></ul>		<ul style="list-style-type: none"><li>• All Drone Applications (left)</li><li>• Soldier Wearable Systems</li><li>• Communication Systems</li><li>• Lightweight Power Systems</li></ul>		<ul style="list-style-type: none"><li>• Long range HEVs</li><li>• Mining Vehicles</li><li>• Agricultural Vehicles</li></ul>		<ul style="list-style-type: none"><li>• Fixed Wing Regional Passenger</li><li>• Fixed Wing Regional Freight</li><li>• Uncrewed Air Systems</li></ul>	
<b>E:</b> \$\$\$\$ <sup>5</sup>		• \$\$\$ <sup>5</sup>		• \$ <sup>5</sup>		• \$\$ <sup>5</sup>	

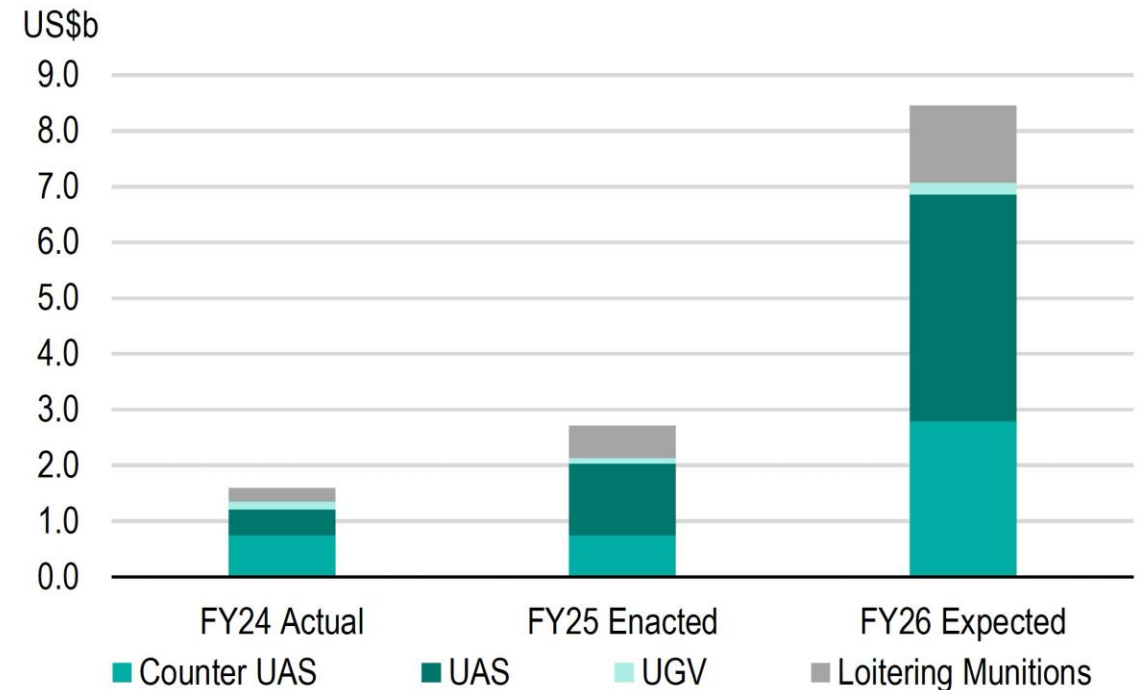
1. Drone Battery Market Size to Attain USD 42.32 Billion by 2034  
2. Military Battery Market Size, Share & 2030 Growth Trends Report  
3. <https://www.strategyand.pwc.com/de/en/industries/transport/truck-study.html>

4. icas2024\_0636\_paper.pdf  
5. Based on internal analysis of market feedback

# Global Geopolitics Driving Drone Demand

- **US Demand** - US Bill - SkyFoundry Act 2025 targets 1 million drones per year production
- **EU Demand** – Interceptor drone systems across Europe for the “European Drone Wall”<sup>2</sup>
- **Battery Materials Restrictions**– Major interruptions to global battery material supply chains, affecting high energy density battery production worldwide<sup>3</sup>
- ***Without battery cells - drones don't fly***
- Li-S cells contain no nickel, cobalt or graphite - supply that has been heavily restricted.
- **Perfect Storm** - Massive increase in demand plus major supply constraints creates a substantial opportunity for LIS Energy's sovereign battery manufacturing

US Govt. drone budget allocation growth



SOURCE UNDER SECRETARY OF DEFENSE

1. [US Bill - SkyFoundry Act 2025](#)

2. [Ursula von der Leyen Speech to EU Parliament 8 October 2025](#)

3. [China MOFCOM Decision No. 58 of 2025](#)



# Strong Industry Engagement





## Pegasus Long Endurance Drone

- Target markets mapping, surveillance, agriculture, mining & exploration, security
- Partners: V-TOL Aerospace & Halocell
- Co-funded by Federal Government through a \$1.3M Emerging Aviation Technology Partnership (EATP) grant
- Progress: LIS Battery Packs and BMS built and in ground testing – Airframe complete and flight tested

## Commercial Drone Partners



## Kea Aerospace High Altitude Platform Station (HAPS)

- Target markets: telecommunications, maritime surveillance, mapping, agriculture, security & defence,
- Targeting multi-month flight times for persistent Intelligence, Surveillance, and Reconnaissance and communications without the need for satellites or expensive air systems.

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## Praetorian Aeronautics

- Counter-UAV interceptor drone system
- Protects lives & infrastructure from hostile UAVs
- Li-S batteries expected to extend range, flight time and increase payload
- Praetorian is targeting 10,000 units per year production

# New Unmanned Systems Partners



## Multi-national Defence Prime

- Unmanned air & land systems
- Soldier wearable technologies
- Li-S cells to be provided for tests and trials for multiple products that are currently being supplied to governments worldwide.

# Our 4 Pillar Strategy mirrors strategic partner requirements



## PERFORMANCE

- Highest energy density possible
- Sufficient power for application
- Sufficient cycle life for application
- Safety benefits and standards adherence



## PRODUCTION

- Produce reliable high-quality cells in volume
- Prove automated manufacturing that can scale
- Deliver industry standard performance testing



## PRODUCT INTEGRATION

- A battery management system (BMS) & pack
- A team to assist with pack design and integration



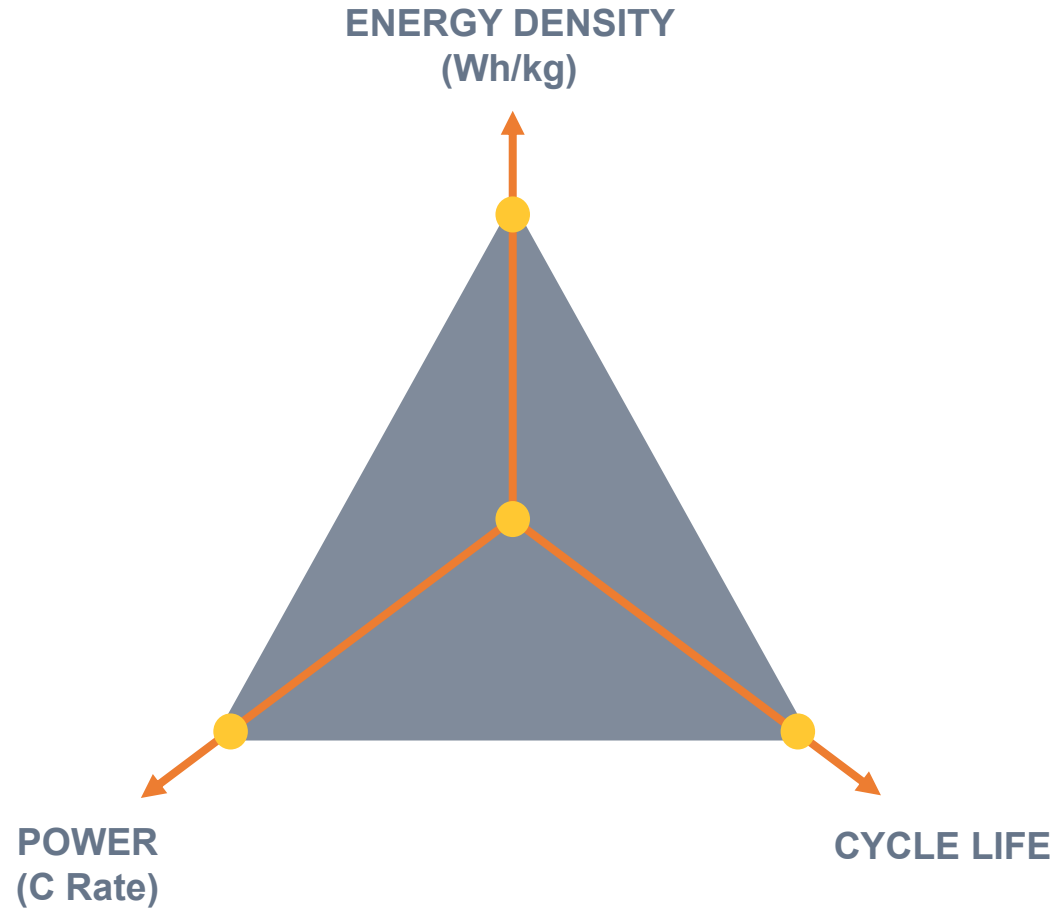
## PATHWAY TO SCALE

- Show a credible path to scale cell production over time as demand grows
- Demonstrate robust manufacturing processes and risk mitigation to enable rapid scaling



# Driving Cell Performance

Objective: minimise weight while increasing Power & Cycle Life



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# NEW Power Cell Development

Engineering to 15 times the discharge power of a standard Li-S cell

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## ENERGY CELL APPLICATIONS



FIXED WING UAVs

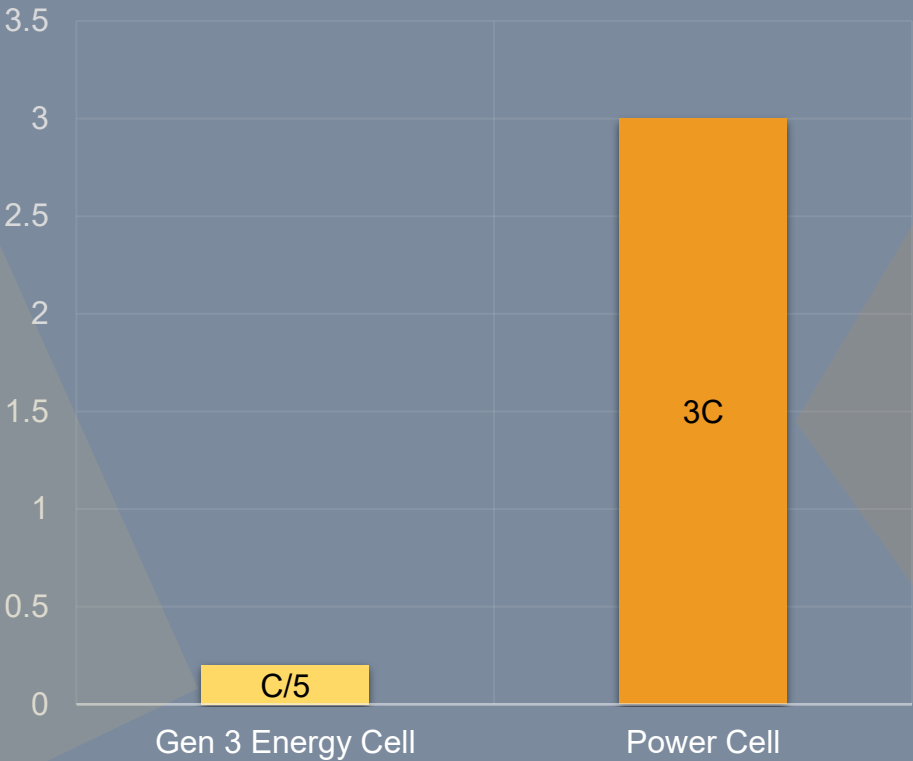


HAPS



UUVs

## Continuous Discharge Rate\*



*\* Note: Based on R&D and initial cell testing in multi-layer pouch cells. Further cell design and optimisation now underway*

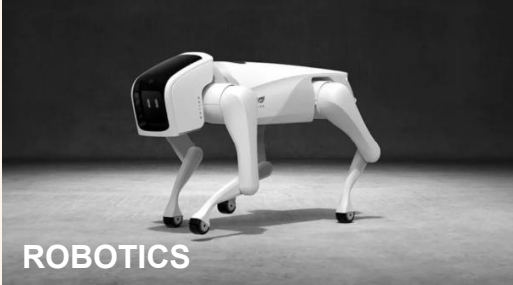
## POWER CELL APPLICATIONS



MULTICOPTERS



RADIO COMMUNICATIONS



ROBOTICS

*\*Power Cell is still undergoing testing & optimisation*

# Australia's First Lithium Foil Production

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## A critical material for advanced batteries

- **Australia's first** lithium metal foils
- **Delivered ahead of schedule** under a \$1.76M matched funding grant from the Industry Growth Program (IGP).
- **Establishes new sovereign manufacturing capability**, supporting Australian battery supply chain resilience for both commercial and defence applications.
- **Eliminates reliance on imported lithium foils**, reducing cost, delays and quality risks.
- **Enables tighter control** over foil purity and thickness, improving cell performance and production throughput.
- **Positions LIS for revenue opportunities** in global markets seeking high-purity lithium foil.

[Production Line Video](#)

SCAN  
TO  
WATCH



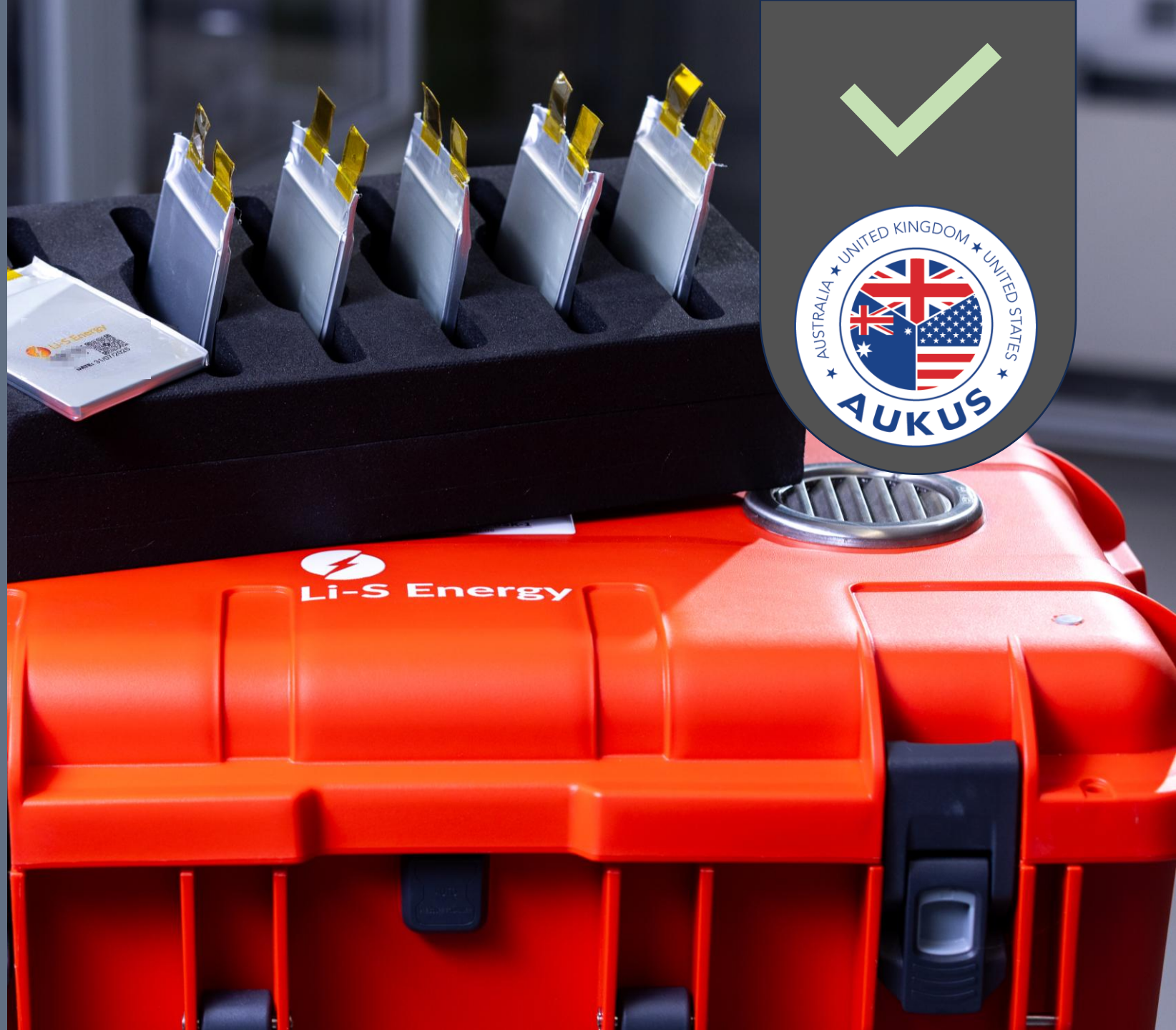
# Cell Testing & Delivery

**Cells ready to ship & partners ready to test**

Waiting for CASA Approval to ship prototypes by air under IATA A88 exemptions

LIS AUKUS Membership approved by Australia & US State Department

UN38.3 testing in progress on 10Ah Li-S cells to enable regular shipment in volume going forward.



# Pathway to Scale

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## PHASE 3



### 2MWH PRODUCTION LINE

- Automated manufacture to build and test trial battery cells and develop process IP to manufacture at scale and produce A sample cells
- BUILT AND COMMISSIONED

#### ACTIONS

- Established representative collaboration partners in each target industry

#### COMMERCIAL

## PHASE 4A



### DESIGN - 500MWH+ MANUFACTURING PLANT

- Commenced manufacturing line design
- Progressing Govt & private sector discussions to secure location & support for manufacturing plant
- Identifying manufacturing partners

- Accumulate additional significant collaboration partnerships with product OEMs in target industries
- Sell test battery cells produced in the Phase 3 facility for partner testing
- Sell Phase 3 battery modules for extended OEM trials

## PHASE 4B



### BUILD - 500MWH+ MANUFACTURING PLANT

- Secure suitable manufacturing partners & suppliers
- Acquire project finance or strategic partner
- Build facility
- Deliver cells to commercial customers
- Licensing / JV model also under consideration

- Secure conditional offtake agreements
- Deliver B, C & D sample cells to offtake partners
- Phase 4 targeting commercial cell delivery with positive cash flow

## PHASE 5



### 10GWH+ GIGAFACTORY (5+ YEARS)

- Licensing / JV model
- Battery manufacturer completes 10GWH+ battery production line for Li-S Energy batteries
- Li-S Energy as JV partner and/or supplying nanomaterials and with a revenue share

- Establish commercial relationship with existing battery manufacturer
- Li-S revenue expected from nanomaterial sales, plus % of total battery sales revenue



# Phase 4 Scale Up FEED Program

Co-funded by ARENA



## STAGE 1 “Investment Ready”

### FEL 1

#### FEASIBILITY STUDY

Initial concept designs & costings

#### Manufacturing Optimisation

##### Cathode Production

Expected to substantially improve cathode production rate

##### Anode Production

Expected to enhance anode cutting, coating and production rate & quality at scale

##### Cell Fabrication

Expected to optimise cell fabrication throughput rates & further enhance reliability

##### Waste Management & Recycling

Expected to improve waste handling & reduce cost

### DELIVERABLES

High level design, costing and production throughput enabling preparation of a detailed business case for project financing



## STAGE 2 “Shovel Ready”

### FEL 2

#### INITIAL FRONT END ENGINEERING DESIGN

Preliminary design of all systems, production processes, infrastructure & IT

### FEL 3

#### DETAILED FRONT END ENGINEERING DESIGN

Building on FEL2

Full detailed designs and drawings able to be supplied to potential contractors for tendering purposes

### DELIVERABLES

Detailed design package ready to put out to tender for construction and site selection with permitting underway.

STAGE REVIEW  
& PROJECT FINANCING ACTIVITIES

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# Indicative parameters for the Phase 4 facility

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- Phased development up to 1GWh scaling as demand grows
- 20,000sqm factory
- 50,000sqm site
- Can leverage existing lithium-ion manufacturing processes
- 200 – 300 personnel
- Location agnostic – decision to be based on Federal & State Government support, plus input economics





## Markets & Partners

Drone and Defence markets  
growing exponentially  
New partners engaged and  
more in the pipeline.



## Technology

World leading lightweight  
lithium sulfur cells  
Power cell technology should  
expand global opportunity



## Production & Delivery

Proven ability to manufacture  
Phase 4 planning underway  
AUKUS approved  
Cells ready for delivery,  
subject to regulatory approvals.



## Financial Management

\$18.9M at 30 June 2025 plus  
\$12.9M in confirmed grants and  
R&D tax credits yet to be received  
Strong financials to drive business  
forward

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# THANK YOU



## CONTACT DETAILS

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