ASX ANNOUNCEMENT

Livium
Energising a better world

25 September 2025

Corporate Presentation

Livium Ltd (ASX: LIT) ("**Livium**" or the "**Company**") is pleased to provide a Corporate Presentation which summarises the commercial recycling adjacency activities announced over the past few weeks. No new material information is disclosed in this presentation.

A copy of the Corporate Presentation is attached and can be viewed on the Company's website.

Authorised for release by the Managing Director and CEO.

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Forward-looking statements

This announcement contains forward-looking statements. Forward-looking statements are subject to a variety of risks and uncertainties that it is beyond the Company's ability to control or predict and which could cause actual events or results to differ materially from those anticipated in such forward-looking statements. Investors should be aware that past performance should not be relied upon as being indicative of future performance.

About Livium

Livium (previously Lithium Australia) is aiming to lead and enable the global transition to sustainable lithium production. The Company operates Australia's market leading battery recycler, produces critical battery material lithium ferro phosphate (LFP), and has developed a patented lithium extraction technology (LieNA®). Livium's revenue-generating recycling business and technologies are well-placed to capitalise on growing global lithium-ion battery demand and provides diversification benefits to global supply chains.

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Livium

ASX : LIT

Energising a better world

Commercial recycling adjacencies
September 2025

Livium Ltd securities are listed on Australian Securities Exchange (ASX Codes: LIT, LITOB, LITOC)

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Australia's leading battery recycler

Proven access to waste underpins diversification strategy into emerging, high value opportunities

Battery Recycling Vertical

Core Operation

Livium operates Envirostream, Australia's **market-leading lithium-ion battery recycler**. Envirostream charges its growing customer base a "**Fee for Service**", delivering gross profit for all volumes received. Customers include **leading industry participants** as below:

SELL & PARKER BATTERY RECYCLERS | TESLA | ZECO RETAIL ENERGY | VOLVO | DB SCHENKER | HYUNDAI GLOVIS | Wabtec CORPORATION

Proven collection and pre-processing capability, underpins readiness for adjacencies

Other Recycling Verticals

Strategic Growth

Global Addressable Markets

Black Mass Processing: US\$52Bn by 2032[1]

Photovoltaic (PV): US\$3Bn 2034[2]

Rare Earth Element (REE): US\$7Bn by 2026[3]

Iondrive | THE UNIVERSITY OF MELBOURNE | WONKWANG

Non-Recycling Verticals

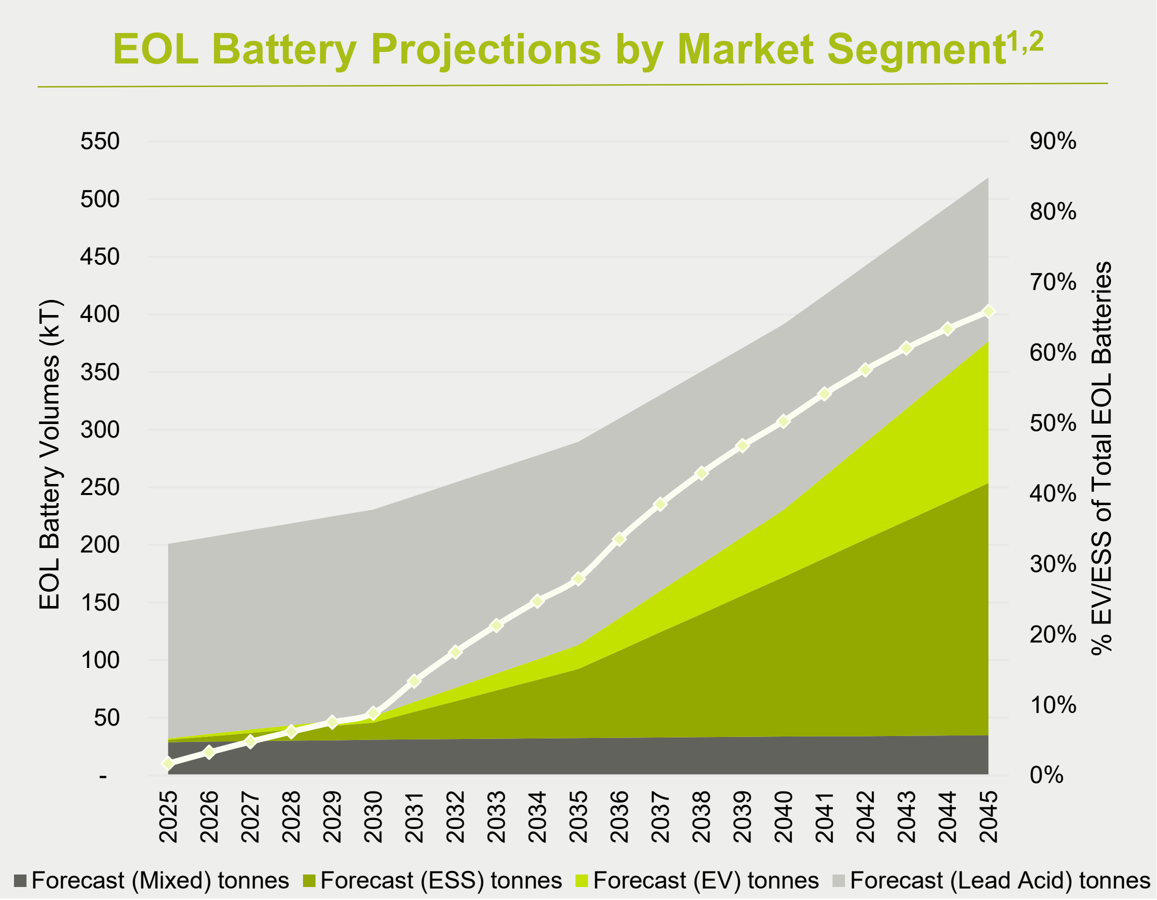
Long-term opportunities

LieNA®	Disruptive lithium extraction technology via a 50:50 JV with Mineral Resources Ltd (ASX: MIN).
VSPC	Next generation lithium ferro phosphate (LFP), the fastest growing battery material.

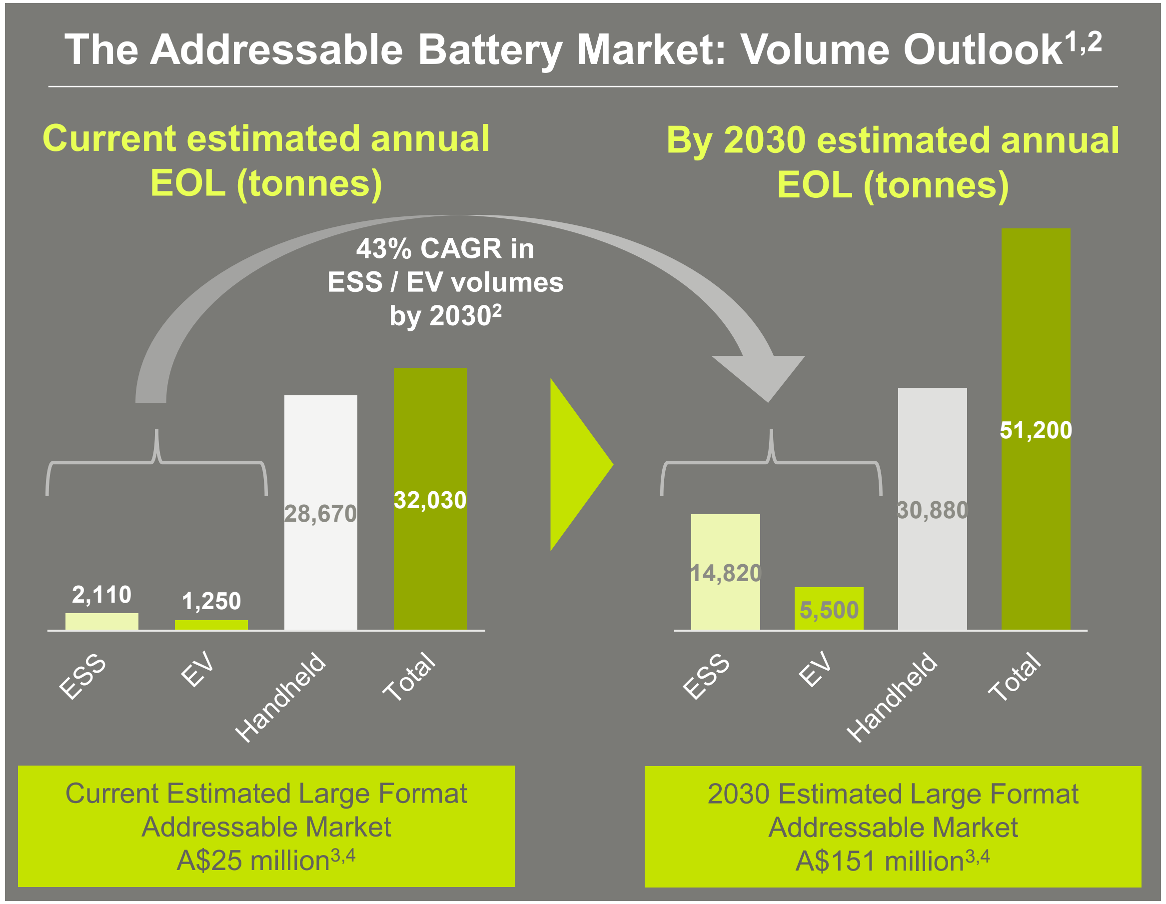
1. https://www.marketsandmarkets.com/Market-Reports/black-mass-recycling-market-114706852.html
2. International Energy Agency (IEA) Global Critical Minerals Outlook 2025 (May 25)
3. SOLAR PANEL END-OF-LIFE MANAGEMENT IN AUSTRALIA 2023 (University of Sydney)

Lithium-ion Battery Opportunity

EV / ESS dominates long-term EOL battery volume growth



Envirostream only collects ~20% of estimated waste[5]



Notes: 1. Battery Market Analysis - The latest market data for the battery industry in Australia: B-cycle (Oct23); 2. Company analysis; 3. Estimated market revenue potential based on the total of ESS and EV volumes at the average Livium revenue unit rate of A$7.41/Kg achieved in FY25; 4. Company cautions that although it considers this to be a reasonable estimate, there is no guarantee that these revenues are achievable in the future; 5. FY25 EV and ESS collections by Envirostream totalled 667 tonnes

Black Mass Processing Opportunity

Off-take agreement for at least 60% of MMD production provides baseline[1]

Current state

- Livium collects, dismantles and processes lithium-ion batteries (collectively **Pre-Processing**)
- Livium holds certain patents in relation to the above activities
- The key product from these activities is black mass (often referred to as mixed metal dust or MMD)
- Livium sells black mass internationally including under a 3-year off-take agreement with SungEel HiTech
- SungEel HiTech purchases up at least 60% of production – subject to minimum quality requirements
- Demand for black mass is high due to global under utilisation of black mass processing capacity

SungEel HiTech Livium

Future potential

Huge addressable market
- Global black mass recycling market is expected to rapidly grow, reaching US$51.7 billion by 2032[2].

Increasing demand for critical materials
- Geopolitical shifts underpin demand for recycled materials, such as black mass, in the energy transition.

Improved economics
- Advancing through the value chain will help to drive sustainable earnings growth.

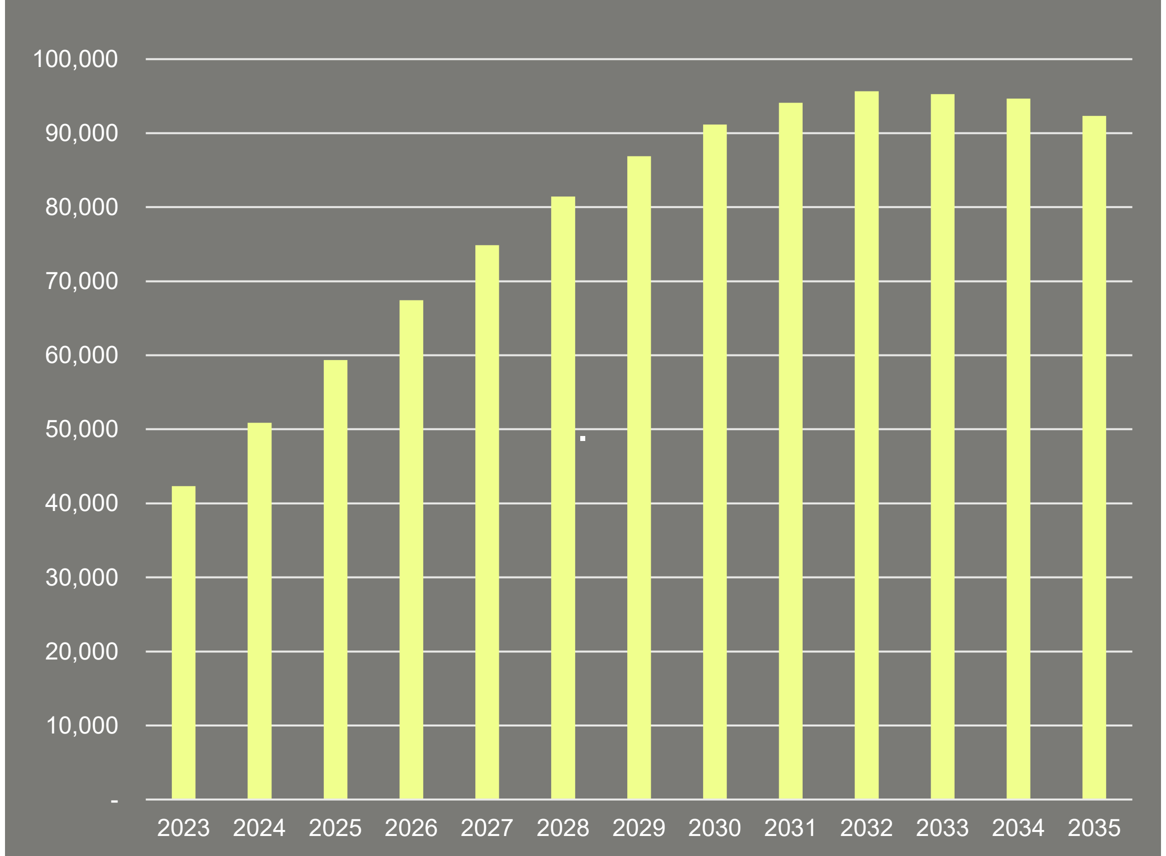
Need for new technologies
- Low capex black mass extraction technologies allow localised processing, reducing carbon footprint.

Notes: 1. See ASX announcement, *'Lithium Australia signs MMD off-take agreement with SungEel HiTech'*, 13 June 2024; 2. International Energy Agency (IEA) Global Critical Minerals Outlook 2025 (May 25)

PV Recycling – a US$2.67Bn Global Opportunity[1]

Why now? Significant national deployment coupled with regulatory drivers result in a need to PV waste solutions today

Projected Annual PV Waste (tonnes)[2]



Economic drivers[2]

Addressing Rising Waste Volumes
Over 90kTpa of EOL panels in Australia by 2035 creates a large, guaranteed feedstock for recycling operations.

High Material Value
Panels contain aluminium, glass, copper, silver, and silicon—worth ~$1,000/tonne[3], offering potential downstream revenue.

Regulatory Push
Currently only 10% of panels are recycled. In 2025, a product stewardship scheme is expected, banning landfilling and requiring producers to fund recycling.

Export Restrictions
Basel Convention amendments in place for the export of solar waste, increasing domestic processing demand.

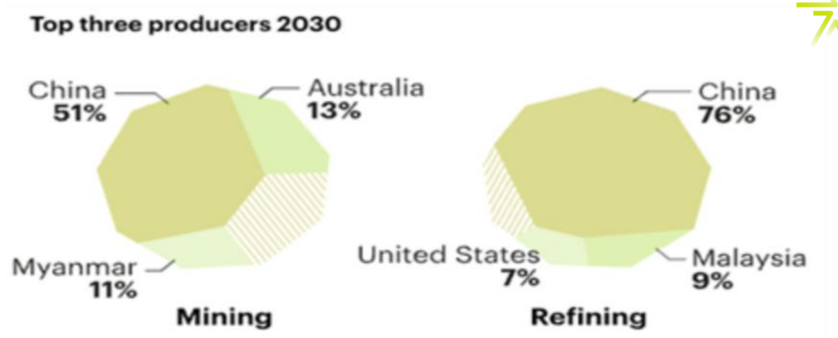
Australian Outlook
The country is projected to generate over 100,000 tonnes of solar panel waste annually by 2030.

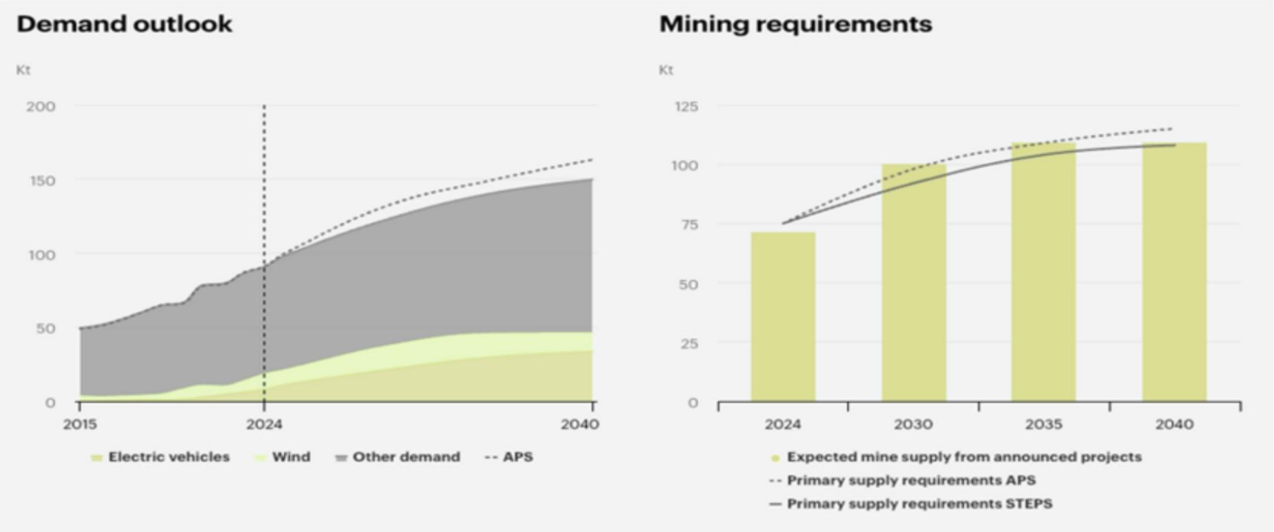
Notes: 1. Solar PV Recycling Market Size 2. Solar Panel End-Of-Life Management in Australia 2023 3. Company analysis

REEE US$7.3B Global Market[1]

- Rare Earth Elements (**REE**) are becoming **a key component in geopolitical trade** discussions.
- Currently **China processes ~90%** of the world's rare earth supply[2].
- Chinese custom officials are scrutinising and restricting orders from overseas customers.
- In turn, **demand of rare earths** outside of China **continues to grow**.
- Magnetic REEs comprise ~30% of REE volume but **capture more than 80% of the value[3]**.
- Global addressable market for REE is expected to reach **US$7.3 billion by 2026[4]**.
- Secondary supply is looked upon favourably as a gateway for local supply. Currently **only 1% of the world's REE is recycled[5]**.

Notes 1: Graphics/table on right: International Energy Agency (IEA) Global Critical Minerals Outlook 2025 (May 25);
2. Business Insider: China rare earths are biggest card trade talks with Trump (June 25);
3. McKinsey & Co: Powering the energy transition's motor: Circular rare earth elements (June 25);
4. Business Wire: Global Rare Earth Elements Market Report to 2026 - Growth Trends and Market Forecast (May 22); 5. Discovery Alert:Rare Earth Elements in Trade and Tariffs: Geopolitical Implications 2025 (April 25)





STEPS	2021	2024	2030	2040
Cleantech demand (kt)	11	19	38	47
Other uses (kt)	67	72	85	103
Total demand (kt)	78	91	123	150
Secondary supply and reuse (kt)	22	27	32	43
Primary supply requirements (kt)	57	64	91	107
Share of top three mining countries	81%	86%	74%	76%
Share of top three refining countries	98%	97%	92%	92%

Strategy Execution: Won Kwang S&T

Leveraging Livium's supply chains to capture a fast-growing segment of the clean energy waste sector

Partnership with Won Kwang S&T for end-of-life (EOL) PV recycling

Proven
Won Kwang is a leader in solar energy and resource-circulation innovation.

Australian Focus
Partnership seeks to establish a JV to build and operate an Australian PV recycling facility.

Commercial
Livium will receive service fees from Won Kwang for all phases of development.

WONKWANG

Strategy Execution: Iondrive

Binding Term Sheet signed to advance clean energy waste processing including solar panels, black mass, and REE

Partnership Activities

- ❑ **Livium to provide Samples to Iondrive**
- ❑ **Iondrive will apply Samples to its DES technologies**
- ❑ **Plant design and technoeconomic assessment**
- ❑ **Livium will provide Iondrive access to Livium controlled sites**
- ❑ **Commercial scale supply and production**

Commercialisation Pathway

Technology Assessment
Livium provides Samples to Iondrive to enable Iondrive to apply its DES technologies to create and assess Product can be achieved at commercial scale

Binding Documentation
Livium will supply waste materials to Iondrive to enable Iondrive to create the Product at commercial scale (possibly at Livium controlled sites)

Commercialisation
Livium provides commercial scale volumes of clean energy waste under commercial agreements

Strategy Execution: University of Melbourne

Term Sheet signed with UoM explores the use of microwave technology in the extraction of rare earth elements

THE UNIVERSITY OF MELBOURNE

Livium

Livium has signed a Term Sheet to access an **exclusive global license** to explore use of **microwave technology** in the extraction of **rare earth elements**.

Recovery rates include **>95% Neodymium (Nd), >80% Praseodymium (Pr)** (can further improve to >90% with oxidant)

Advantages of Selective Leaching approach:

- Energy: 85% reduction relative to "Hot Block" digestion technology process
- Yield: Obtain higher target metal concentrates
- Cost: Reduce the usage of acids and reagents in the process
- Sustainability: Reduce the amount of wastewater
- Recoverability: Separation of solid and liquid much easier

In addition, the technology has the potential to be applied to PGMs with recoveries using microwave heating technology achieving: **91±13 % Pt, 97±13 % Pd and 68±13 % Rh**.. When further developing leaching solution, the leaching recovery of Rh can be >80%.

UoM to build prototype microwave-assisted leaching system for the recovery of REE

Technology improves recoveries, reduces energy consumption and carbon footprint

Currently at TRL3[1], projects aims to scale up technology 100x to TRL 5-6

Livium provide feedstock and technical input, UoM to continue testwork at larger scale

Licence will grant Livium exclusive global rights to the technology for the next 20 years

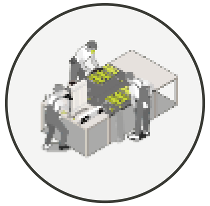
Notes: 1. TRL: Technology Readiness Level (1 = Low, 9 = High)

Why is Livium pursuing recycling adjacencies?

Envirostream is ready to expand its services to meet its customer needs

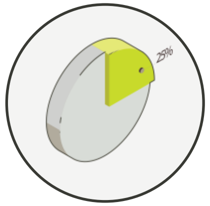
We have a right to play

Meet customer needs
Current customer base needs a solution for these waste streams, expanding our role as recycling partner under a holistic approach.



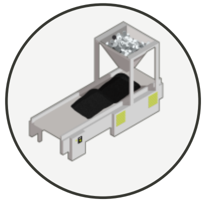
Leverages core competency
A history of working with customers to solve their problems, through safe handling and pre-processing of waste streams.

Staged progress
Utilises existing infrastructure and know-how in hazardous material collection, handling, and regulation — lowering startup friction.



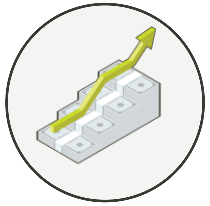
Industry penetration
Current industry engagement provides access to new customers and engagement with government bodies and policymakers facilitates industry maturity.

We can expand our position



Technology enhancement
This strategy has the potential for the Company to use its pre-processing pedigree to advance into processing.

Commercial model
“Fee for Service” model developed for battery recycling deployed for alternate waste streams from similar customers. Prior delivery underpins customer confidence.



Revenue growth and diversification
Expands Livium’s core battery recycling operations into connected opportunities — capturing fast-growing adjacent waste streams with high material value.

Asset-light market entry
Early stages require limited investment, with partners supplying key equipment and technology — ideal for phased, low-risk scaling.

Thank You

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