INTERIM RESULTS TO 30 JUNE 2022

September 2022





Presenters



Larry Zulch
Chief Executive Officer

- Avalon Battery (CEO)
- Savvius (CEO)
- Photometics (Founder & CEO)
- Cloud Engines (CEO)
- EMC Corporation (VP & Officer)
- Dantz Development (Founder & CEO)



Matt Harper
Chief Commercial Officer

- Avalon Battery (Founder & President)
- Prudent Energy (VP Products & Services)
- VRB Power Systems (Product Mgmt.)
- General Hydrogen (Product Engineering)
- MIT (Masters)



Peter Dixon-Clarke Chief Financial Officer

- Kuwait Energy plc (CFO)
- Hotspur Geothermal (CFO)
- Rockhopper Exploration plc (CFO)
- Help for Heroes (CFO)
- Amlin Insurance plc
- Deloitte



HY 2022 Financial Highlights

£1.4m

Recognised revenue in H1 2022

3.4 MWh

Shipped during H1 2022

£12.9m

Closed sales backlog

- Period-end inventory of £10.9m, including prepaid inventory (HY 2021: £8.0m)
- Period-end cash of £16.1m (HY 2021: £10.9m)
- The Group remains debt free, excluding leases (HY 2021: £nil)



HY 2022 Financial Highlights

Profit & Loss	£m
Revenue	1.4
Cost of sales	(3.7)
	(2.3)
Admin expenses: staff costs	(4.4)
Admin expenses: other	(4.5)
Other operating income & expense	(0.9)
Finance costs & foreign exchange	0.5
	(11.6)

Balance Sheet	£m
Non-current assets	24.1
Inventory	5.8
Prepaid inventory	5.1
Other assets	3.6
Cash	16.1
	57.5
Trade & other payables	(4.8)
Contract liabilities	(5.0)
Lease liabilities (current & non-current)	(1.7)
Provisions	(5.8)
	(17.2)
	40.3



HY 2022 Financial Highlights

Cash flow	£m
Loss after income tax	(11.6)
Adjustments for non-cash items	1.2
Increase in inventory & prepaid inventory	(1.2)
Other changes in operating assets/liabilities	1.7
Investing activities	(0.2)
Financing activities	(0.2)
Movement	(10.3)
Opening cash	26.4
Closing cash	16.1

Cash burn	£m
Loss for the period	(11.6)
Less non-cash movements	1.2
	(10.4)
Cash impact of gross loss	(2.6)
Cash impact of operating costs	(7.8)
	(10.4)



HY 2022 Highlights

Commercial

- 8.4 MWh sale to Elemental Energy
- LODES Phase 1 funding
- Secured reseller partnerships in new markets

Operational

- 93 VS3s (3.4 MWh) shipped to site
- Manufacturing expansion with Baojia New Energy
- Improving macro supply chain environment

Strategic

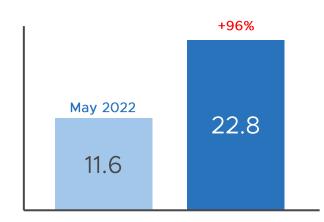
- U.S. Expansion Strategy
- MoU with Hyosung Heavy Industries
- Progress towards release of "Mistral" product



Accelerating Near-Term Sales

Base

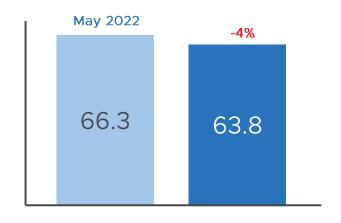
Invinity selected & moving to close; Invinity's most important category



Base category doubling since May 2022; deals entering final negotiation stage

Advanced

Planning initiated; financing and size finalised



Movement into Base and progression from Qualified

Qualified

Need, funding, timing and Invinity advantage established



Strategic focus on securing near-term sales, movement into Advanced



All numbers are MWh. Each MWh represents the daily consumption of approximately 110 UK homes, or over 75,000 homes for the entire pipeline.

Delivering Key Projects

Proving Commercial Scale

Elemental Energy

 1.1 MWh shipped from Baojia New Energy for solar + storage project in Alberta, Canada.

Balance expected to be shipped by end of 2022.

Yadlamalka Energy

- Relocated to second site in South Australia.
 Original site remains under development.
- Manufacturing of 8MWh largely complete.
- Shipping phase in progress targeting completion in 2022.





Improving Macro Environment - Pricing

Pricing beginning to normalise

- ~60% reduction in container shipping costs
- ~14% reduction in Vanadium electrolyte pricing
- Baojia partnership helping to realise further economies of scale





Improving Macro Environment - Competition

Lithium Woes

- Lithium fires making headlines (Victoria and Moss Landing)
- Lithium production is ~100k tons (2021) but demand:
 - currently 5x greater
 - rising faster than supply can keep up
- Lithium battery lead times increasing significantly for stationary battery projects



Victoria, Australia

Aug 2021



World's largest lithium ion battery is down, again

The Moss Landing Energy Storage Facility Phase II in the United States set off fire alarms that activated a fault water suppression system, triggering a cascading set of events that resulted in roughly 10 battery packs melting down.

FEBRUARY 17, 2022 JOHN FITZGERALD WEAVER

FIRE AT PG&E'S TESLA BATTERY FACILITY

-place ordered for areas of Moss Landing, Highway 1 closed due to battery fire



Improving Macro Environment - Policy & Support

Government support

- U.S. Inflation Reduction Act providing \$369bn for clean energy:
 - \$60bn for manufacturing
 - \$30bn in investment tax credits
- Australia increasing renewable energy storage targets
- UK LDES considered key part of National Energy Strategy

'This is HUGE!' Major climate legislation becomes law

Biden signs the Inflation Reduction Act with \$369 billion to supercharge clean energy, promote environmental justice, and cut carbon emissions

16 August 2022

2 minute read · September 8, 20229:48 AM GMT+1 · Last Updated 20 days ago

Australia passes a law for net zero emissions by 2050

Reuters

UK government cements energy storage's role as generation asset

By Cameron Murray

July 12, 2022



U.S. Expansion Strategy

Taking advantage of supportive macro environment

 Qualify for Bipartisan Infrastructure Bill and Inflation Reduction Act support

- MoU for JV with U.S. Vanadium
 - Supply-chain, U.S. content
 - Pursue government funding
- UL and NFPA certification gained
- U.S. subsidiary with San Francisco office
- Delivery of multiple CEC-funded projects





Joint Development of Grid-Scale Flow Battery

Program deliverables: a next-generation grid-scale flow battery ("Mistral")

 Joint announcement with Gamesa Electric / Siemens Gamesa Renewable Energy

Announced May 2021 as a two-year staged development project

Current (VS3): 1 MWh to 50 MWh

Next-generation: 100 MWh +

 Large early commercial interest (not reflected in current VS3-only pipeline)





Outlook

FORWARD FOCUS

- Conclude and announce commercial deals, demonstrating commercial relevance of VS3 product
- Deliver backlog of closed contracts to customer sites and convert inventory into revenue
- Continue to progress Mistral development

ADDITIONAL FOCUS

- Continue to secure strategic relationships with key partners to accelerate Invinity's growth
- Gain footholds in new markets through partnership agreements
- Leverage economies of scale and supply chain improvements to further reduce VS3 product costs and improve gross margins





Utility-Grade Energy Storage

