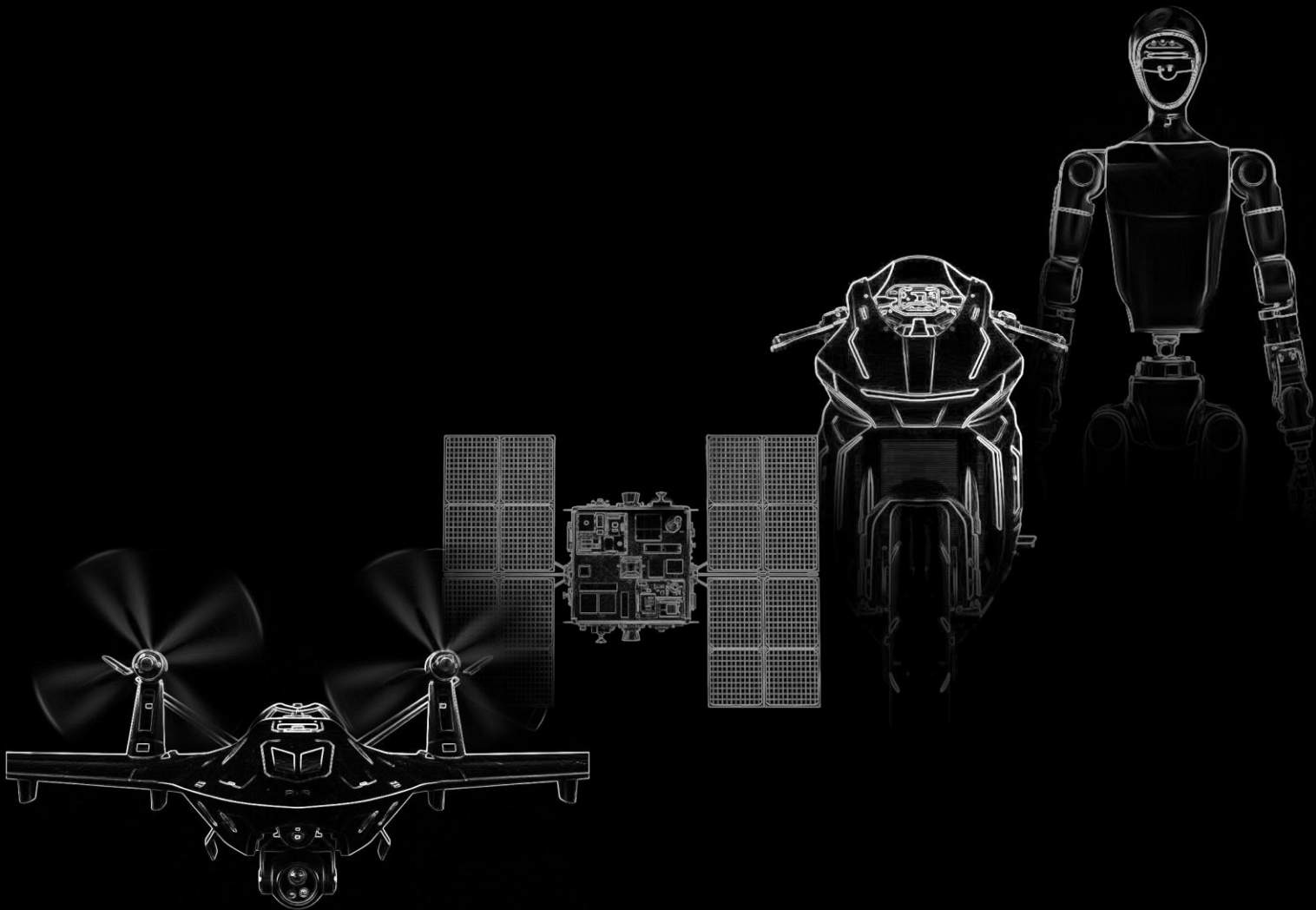


August 5, 2026



Q2 2026 FINANCIAL RESULTS



Disclaimer on Forward Looking Statements

This presentation and any related discussion contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995 that involve risks and uncertainties that could cause actual results to be materially different from historical results or from any future results expressed or implied by such forward-looking statements, including statements relating to Amprius’ financial outlook. These statements are not historical facts but rather are based on Amprius’ current expectations, estimates and projections regarding Amprius’ business, operations and other factors relating thereto, including with respect to Amprius’ financial outlook. Words such as “may,” “will,” “could,” “would,” “should,” “anticipate,” “predict,” “potential,” “continue,” “expects,” “intends,” “plans,” “projects,” “believes,” “estimates,” “outlook,” “assumes,” “targets,” “opportunity,” “believe” and similar expressions are used to identify these forward-looking statements. Such forward-looking statements include statements regarding, among other things, Amprius’ beliefs and expectations about revenue, expenses, profitability, cash flow, gross profit, gross margin, operating margin, net income (loss), Adjusted EBITDA, capacity, revenue capacity, backlog, costs, and related increases, decreases, trends or timing, including with respect to Amprius’ beliefs and expectations about the end markets and the impact of these trends on Amprius’ business; the strength, effectiveness, productivity, costs, profitability or other fundamentals of Amprius’ business; beliefs about the role of Amprius’ technology and market acceptance of Amprius’ products. All such forward-looking statements are based on management’s present expectations and are subject to certain factors, risks and uncertainties that may cause actual results, outcome of events, timing and performance to differ materially from those expressed or implied by such statements. These risks and uncertainties include, but are not limited to, the following: market demands for Amprius’ batteries; the ability of Amprius to execute its business model and strategy, including the ability to expand manufacturing capacity or develop production lines that meet its requirements, deliver high performance products to customers at acceptable prices and meet their demands via the contract manufacturing arrangements; the effect of macroeconomic factors, such as tariffs, trade barriers, retaliatory actions imposed on Amprius’ partners and suppliers, including regulatory developments proposed in China, abrupt political change, geopolitics, currency fluctuations, embargoes, shortages, terrorist activity, armed conflict and public health emergencies, on Amprius’ business; third-party producers of Amprius batteries continuing to produce such batteries in the expected quantities and caliber and at the expected prices; Amprius’ customers continuing to purchase batteries from Amprius; risks related to the rollout of Amprius’ business and the timing of expected business milestones; the effects of competition on Amprius’ business; Amprius’ liquidity position and its ability to raise additional capital; the possibility that Amprius may be adversely affected by economic, business or competitive factors, including supply chain interruptions, further cost inflation and developments in alternative technologies, and may not be able to manage other risks and uncertainties; and changes in other domestic and foreign business, market, financial, political and legal conditions. More information on these risks and uncertainties that may impact the operations and projections discussed herein can be found in the documents Amprius filed from time to time with the SEC, all of which are available on the SEC’s website at www.sec.gov. Except as required by law, Amprius specifically disclaims any obligation to update any forward-looking statements.

The presentation contains information regarding certain financial targets and outlook with respect to the Company. Such financial targets and outlook constitute forward looking information and is for illustrative purposes only and should not be relied upon as necessarily being indicative of future results. The assumptions and estimates underlying such financial targets are inherently uncertain and are subject to a wide variety of significant business, economic, competitive and other risks and uncertainties, as described above. Actual results may differ materially from the results contemplated in the financial targets contained in this presentation. This presentation includes certain non-generally accepted accounting principles (GAAP) financial measures that we use to describe our company’s performance or estimated or targeted future performance. The non-GAAP information presented provides investors with additional useful information but should not be considered in isolation or as substitutes for the related GAAP measures. Moreover, other companies may define non-GAAP measures differently, which limits the usefulness of these measures for comparisons with such other companies. We encourage investors to review our financial statements and publicly filed reports in their entirety and not to rely on any single financial measure. Reconciliations of GAAP net loss to non-GAAP Adjusted net loss and non-GAAP Adjusted EBITDA are provided in the financial schedules that are part of this presentation. An explanation of these non-GAAP financial measures is also included below under the heading “Non-GAAP Financial Measures.”

Amprius has not provided a reconciliation of the 2026 outlook for non-GAAP Adjusted EBITDA in reliance on the unreasonable efforts exception provided under Item 10(e)(1)(i)(B) of Regulation S-K due to the uncertainty regarding, and the potential variability of, reconciling items such as, the amount and timing of potential non-recurring items. The Company is unable, without unreasonable efforts, to forecast certain items required to develop meaningful comparable GAAP financial measures.

The industry and market data contained in this presentation is based either on our management’s own estimates or on independent industry publications, reports by market research firms or other publicized independent sources. Although the Company believes these sources are reliable, it has not independently verified the information and cannot guarantee its accuracy and completeness, as industry and market data are subject to change and cannot always be verified with complete certainty due to limits on the availability and reliability of raw data, the voluntary nature of the data gathering process and other limitations and uncertainties inherent in any statistical survey or market shares. Accordingly, you should be aware that the industry and market data contained in this presentation, and estimates and beliefs based on such data, may not be reliable. Unless otherwise indicated, all information contained in this presentation concerning our industry in general or any segment thereof, including information regarding our general expectations and market opportunity, is based on management’s estimates using internal data, data from industry related publications, consumer research and marketing studies and other externally obtained data.

Q2 2026 and Recent Highlights

Amprius continues to drive revenue growth with our capital efficient strategy and strong customer demand.

Commercial Updates



STARK

Stark Future PO
>\$100M
Opportunity



\$24M Order from
Major New European
UAV Customer



Redwire Stalker
Block 30

Operational



Fremont Pilot
Line 13/30 Tools
Landed as Part of
\$18M DIU Project



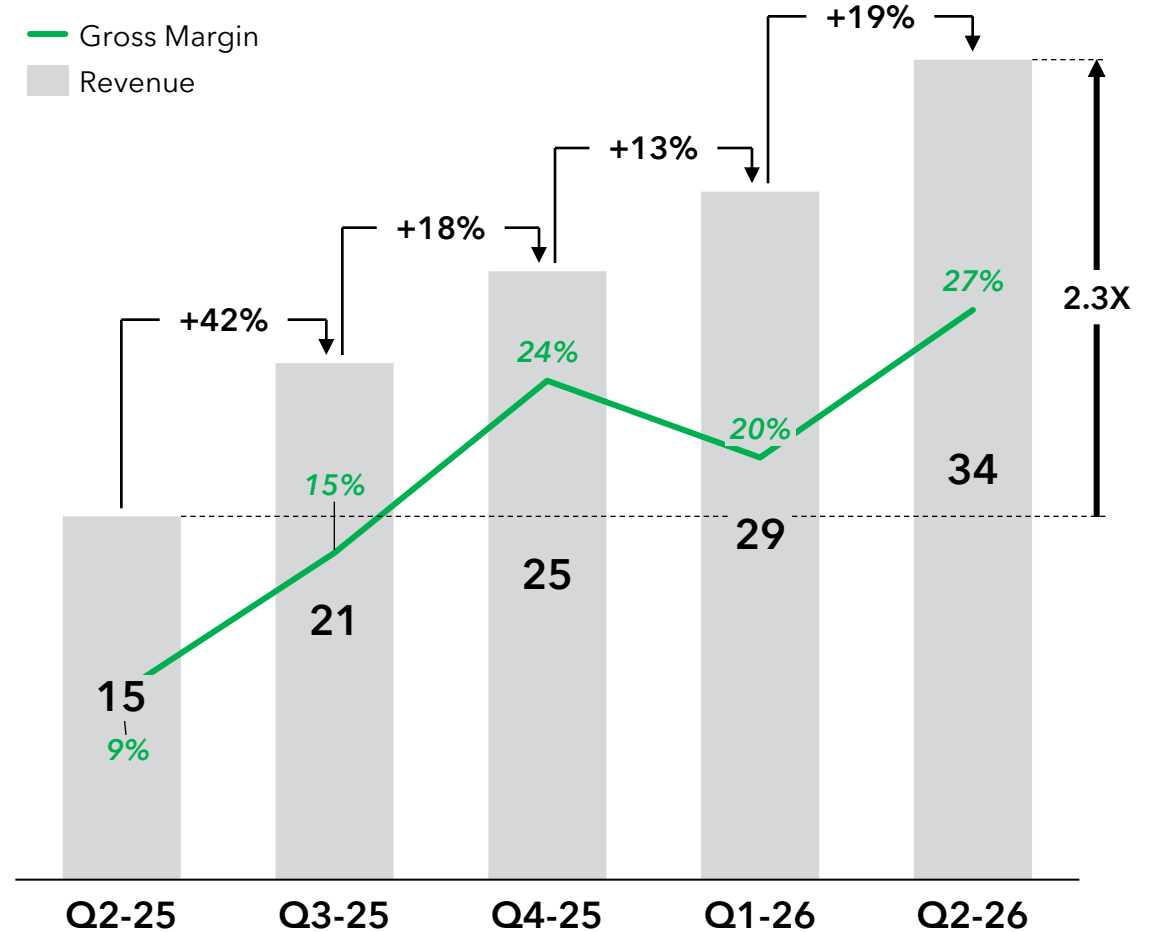
Expanded South Korean
Contract Manufacturing
with Network of Partners



American Made Pack
Cell Supply Ramp Up

Quarterly Revenue and Gross Margin Trajectory¹

\$ in Millions



Revenue Growth: Pack Partners and Design Wins

Over the past 12 months, we've established a go-to-market path that is delivering accelerating revenue growth.

Go to Market Paths

Pack Partners

- Core integrators reordering quarter over quarter
- One relationship reaches many end platforms
- Repeat programs anchor the majority of quarterly volume
- Driving volume with DDP winners
- Over 30% of cells are sold through this channel
- Performance and cell delivery are key
- Representative partners:

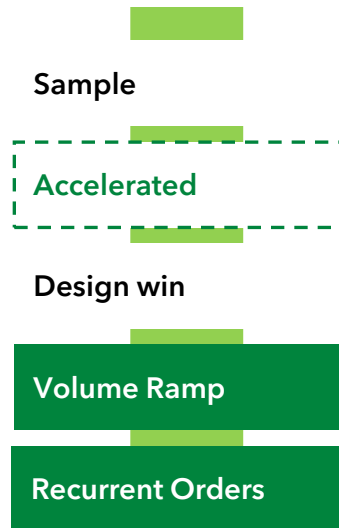


OEMs – Design Wins

- Direct wins on new platforms across UAV, defense and light EV
- Amprius-led qualification builds the spec into the platform
- Each win seeds follow-on volume as programs scale
- Opportunity to work on an optimized system with custom size/chemistry pouch cells

That Drive Efficient Paths to Demand...

Via Pack Partner



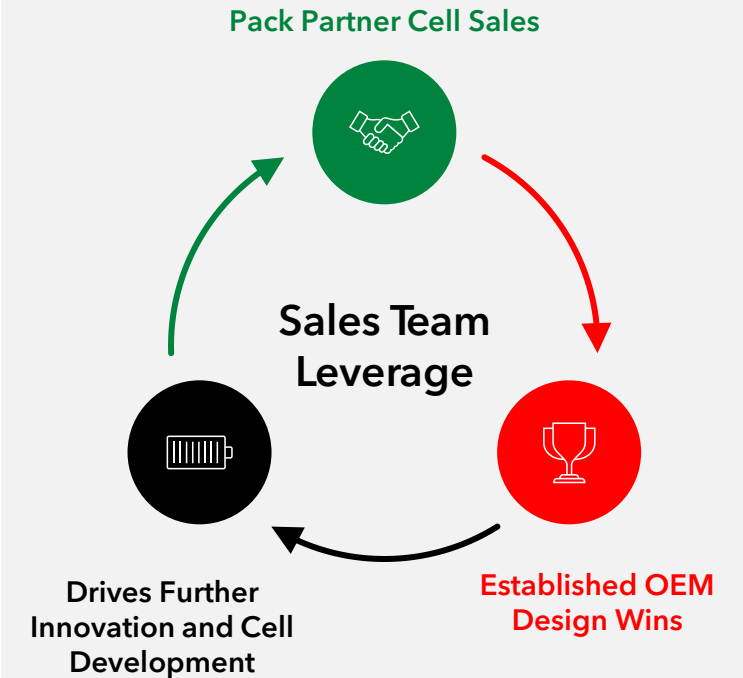
Direct to OEM



No re-qualification. The partner's pack is already designed in, so Amprius ships into an existing platform. The partner motion is a light lift for our team and scales without adding sales headcount.

Tight technical relationship. A deep understanding of the requirements is established over time, enabling path to solving future needs.

That Translates into Growth Flywheel



+126% YoY

Six consecutive quarters of multi segment revenue growth; \$34.0M in Q2 2026 and \$62.6M in H1 2026

Capacity Expansion: Korea and the U.S.

A capital efficient contract manufacturing model delivers >2 GWh of worldwide capacity that will grow and be compliant.



South Korea | gaining scale, have more than doubled volume



- Korea Battery Alliance spans cell makers, materials, components, and equipment suppliers
- Partners build SiCore cells to Amprius specification: no Amprius-owned factory required
- Allied-nation production aligned to NDAA requirements for defense customers
- World-class lithium-ion base delivers scale and cost efficiency now



United States | trusted domestic base



- Full U.S. pilot line funded by the Defense Innovation Unit (DIU)
- Supports programs requiring domestic content and secure supply
- On track to have cylindrical and pouch cell scale production before end 2027
- Demand signal is becoming very clear from customers across various markets:
 - Unmanned aerial vehicles: defense and industrial applications
 - Satellites and space
 - Robotics
 - Light EV's, e-mobility

Over 2.0 GWh of contracted capacity today. China and Korea supply scale while the U.S. anchors defense-qualified, domestic-content supply.

Q2 and LTM Financial Highlights

Delivered record revenues again during the quarter. Gross margin of 27% in line with expectations.

Revenue

\$34.0M

+126% YoY

Q2 2025: \$15.1M | LTM: \$109.2M

- Up 19% sequentially on rising demand
- H1 2026 revenue of \$62.6M, up 137%
- Gross margin 27% vs. 9% in Q2 2025

Net Loss

(\$5.1M) **(\$3.2M)**

20% narrower YoY without \$1.9M adjustment
50% narrower YoY

Q2 2025: (\$6.4M) | LTM: (\$38.4M)

- LTM includes one-time \$22.5M Colorado charge
- Excluding the charges, LTM loss of \$14.0M

Adj. EBITDA

(\$1.0M)

(3%) margin

Q2 2025: (\$2.1M), (14%) | LTM: (\$0.8M)

- Adjustments: \$2.5M stock comp, \$0.8M D&A, \$1.9M noncash increase for warrant modification
- \$1.1M interest and other
- LTM margin of (1%), from (40%) a year ago

EPS – Diluted

(\$0.04) **(\$0.02M)**

20% narrower YoY without \$1.9M adjustment

Q2 2025: (\$0.05) | LTM: (\$0.29)

- Q2 includes \$1.9M noncash warrant adjustment
- Excluding the charge: Q2 (\$0.02) and LTM (\$0.27)
- 143.5M weighted average diluted shares
- LTM assumes 134.7M weighted average shares
- Share count up on warrant and option exercises

Cap Ex

\$1.8M

+\$1.1M YoY

Q2 2025: \$0.7M | LTM: \$5.6M

- All Fremont; supports electrode coating build-out
- Primarily funded by the Defense Innovation Unit
- Supported construction and equipment

Cash Balance

\$74.5M

+\$12.2M in the quarter

Q2 2025: \$54.2M

- \$16.8M from warrant and option exercises
- Working capital of \$113.2M vs. \$59.8M a year ago
- No debt
- No at-the-market offering facility

Raising 2026 Guidance

H1 performance and clearer H2 demand visibility enables raised baseline performance as we invest in long-term growth.

Recent Guidance History

March 2026

Initial 2026 outlook: revenue >\$125M, gross margin ~25%, positive Adj. EBITDA

May 2026 | Q1 call

RAISED

Revenue outlook raised to >\$130M after Q1 revenue of \$28.5M, up 153% YoY

TODAY - August 2026 | Q2 call

RAISING AGAIN

Revenue outlook to at least \$140M and gross margin to at least 28%; profitability targets reiterated

Revenue

≥ \$140M

Prior: >\$130M

RAISED

Gross Margin

≥ 28%

Prior: >25%

RAISED

Adj. EBITDA¹

>\$4M

~3% margin

REITERATED

Net Income

(\$10.0M)

(\$8.0M) excluding the \$1.9M warrant non-cash FV charge

REITERATED

EPS²

(\$0.08)

(\$0.6) excluding the \$1.9M warrant non-cash FV charge

REITERATED

CAPEX

< \$10M – funding DIU backed investments in Fremont while preserving a capital-efficient, low fixed-cost model

Strategy and Value Drivers

Amprius is on a path of continued momentum to develop the full potential of its business model and create more value.

GROUNDING ON HIGHER PERFORMANCE

2.3X revenue growth YoY and gross margin progression to 28%

WINNING COMMERCIALY

Powerful flywheel at work with strategic pack partners and a growing list of OEM relationships and wins in several markets

INCREASING SUPPLY POSITION

Addition of manufacturing partners in South Korea and U.S. increases flexibility and paves a clear path to early NDAA supply

COMMITTED TO CAPITAL EFFICIENT MODEL

Leveraging partner's worldwide capacity and expertise

Developing Capabilities to Create More Value

Impactful Go to Market

Partnerships to Drive Scale

NDAA batteries

Broader Cell Portfolio

China, South Korea and U.S. Manufacturing Partners

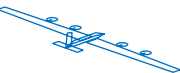
Lead in space, light EVs, robotics

APPENDIX



Surveillance Drone Market Segments

Amprius content scales with pack size – endurance-limited ISR platforms are the highest-value opportunity.

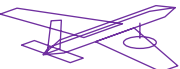
	Drone Class	Avg. Takeoff Weight	Duty Cycle / Endurance	Battery Pack Size	Max Range	Potential Cell Content	Representative Platforms
	Nano / Micro ISR	< 0.25 kg	20-30 min per flight 4-6 short trips per day	15-40 Wh 1S-3S cell pack	1-5 km	~\$40-100 per aircraft	FLIR Black Hornet, Parrot Anafi USA
	Group 1 Small Quadcopter	2-3 kg	35-50 min per flight 3-5 short trips per day	100-250 Wh 6S cell pack	5-15 km	~\$300-700 per aircraft	Skydio X10, Anduril Ghost X
	Group 2 VTOL / Fixed-Wing	12-20 kg	2-4 hrs per flight 1-2 short trips per day	0.5-1.5 kWh multi-string pack	20-60 km	~\$1.5-4K per aircraft	Quantum Vector, AeroVironment Puma
	Group 3 Tactical UAS	60-150 kg	8-16 hrs per flight near-continuous ops	3-10 kWh modular pack	100-300 km	~\$10-30K per aircraft	Insitu ScanEagle, AeroVironment JUMP 20
	HAPS / Pseudo-Satellite	75-150 kg	Weeks to months aloft 64-day flight demonstrated	~5-15 kWh night discharge cycle	Persistent station-keeping	Highest \$ per aircraft flight-proven on Zephyr S	Airbus Zephyr 8, BAE PHASA-35

Sources: DoD UAS Group 1-3 classification; manufacturer spec sheets for representative Group 1-3 ISR platforms; Airbus / AALTO Zephyr HAPS product data; BAE Systems PHASA-35 (35 m wingspan, 150 kg, stratospheric flight at 66,000 ft, 2023); AIAA Aerospace America, "Meet the next pseudo satellites" (2025); Amprius release on silicon-anode cells powering Airbus Zephyr S.

Note: figures are industry-typical ranges by class, not single-platform specs. Expected Amprius content per aircraft is illustrative, based on cell-level pricing.

Attack and Counter-Attack Drone Segments

Strike and interceptor platforms are power-limited – and consume a battery pack for every mission.

	Platform Class	Avg. Takeoff Weight	Duty Cycle / Endurance	Battery Pack Size	Max Range	Potential Cell Content	Representative Platforms
	FPV Strike Drone	1-3 kg	10-20 min short trip one-way, expendable	80-150 Wh 4S-6S cell pack	5-20 km	~\$150-400 per aircraft, consumed	Wild Hornets FPV, 7-10 in strike airframes
	Tactical Loitering Munition	2-5 kg	15-30 min loiter single mission	100-250 Wh high C-rate pack	10-40 km	~\$300-700 per round, consumed	Switchblade 300, WB Warmate, Lancet-1
	Medium Loitering Munition	30-60 kg	40-120 min loiter single mission	1-3 kWh modular pack	40-1,000+ km	~\$3-8K per round, consumed	Switchblade 600, Lancet-3, Shahed-136 class
	C-UAS Interceptor	3-10 kg	10-25 min sprint high-power burst	150-500 Wh peak-power optimized	10-40 km	~\$500-1.5K premium for C-rate	Wild Hornets STING, SkyFall P1-SUN, Zerov-8
	C-UAS Patrol / Escort	15-25 kg	2-4 hrs on station reusable, daily ops	0.8-2 kWh endurance pack	50-150 km	~\$1.5-4K per aircraft	Aerovel Flexrotor, UAV Factory Penguin C

Sources: DoD UAS Group 1-3 classification; manufacturer spec sheets for representative loitering-munition and counter-UAS platforms (AeroVironment Switchblade 300 / 600 class, Anduril Anvil class interceptors); open-source reporting on FPV strike drone build costs and battery configurations; Amprius product literature on high-power silicon-anode cells.

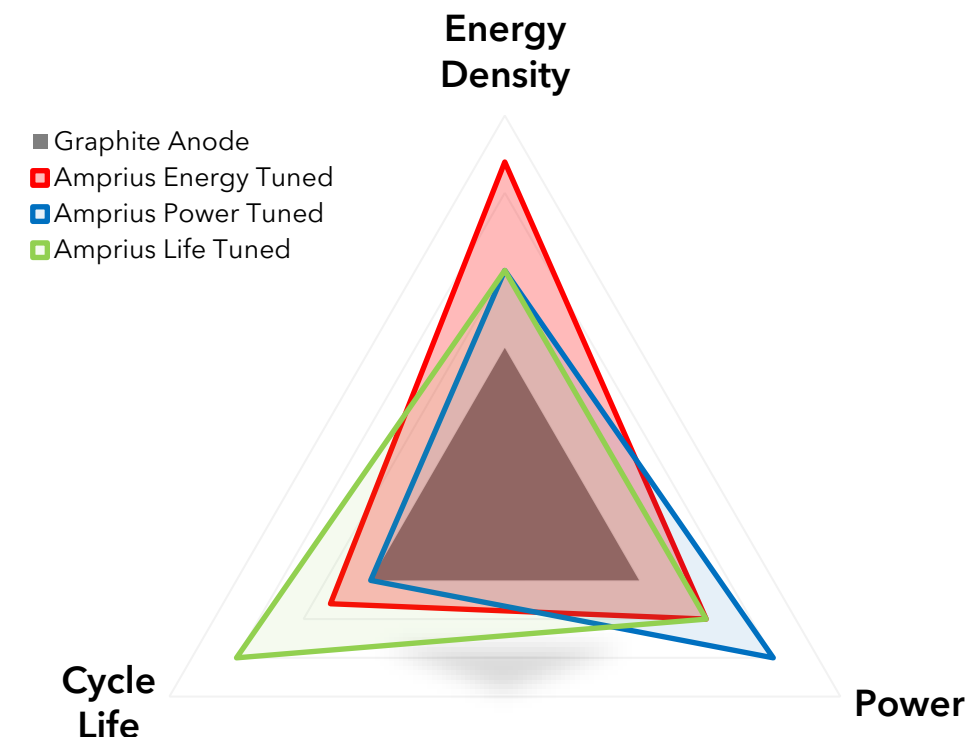
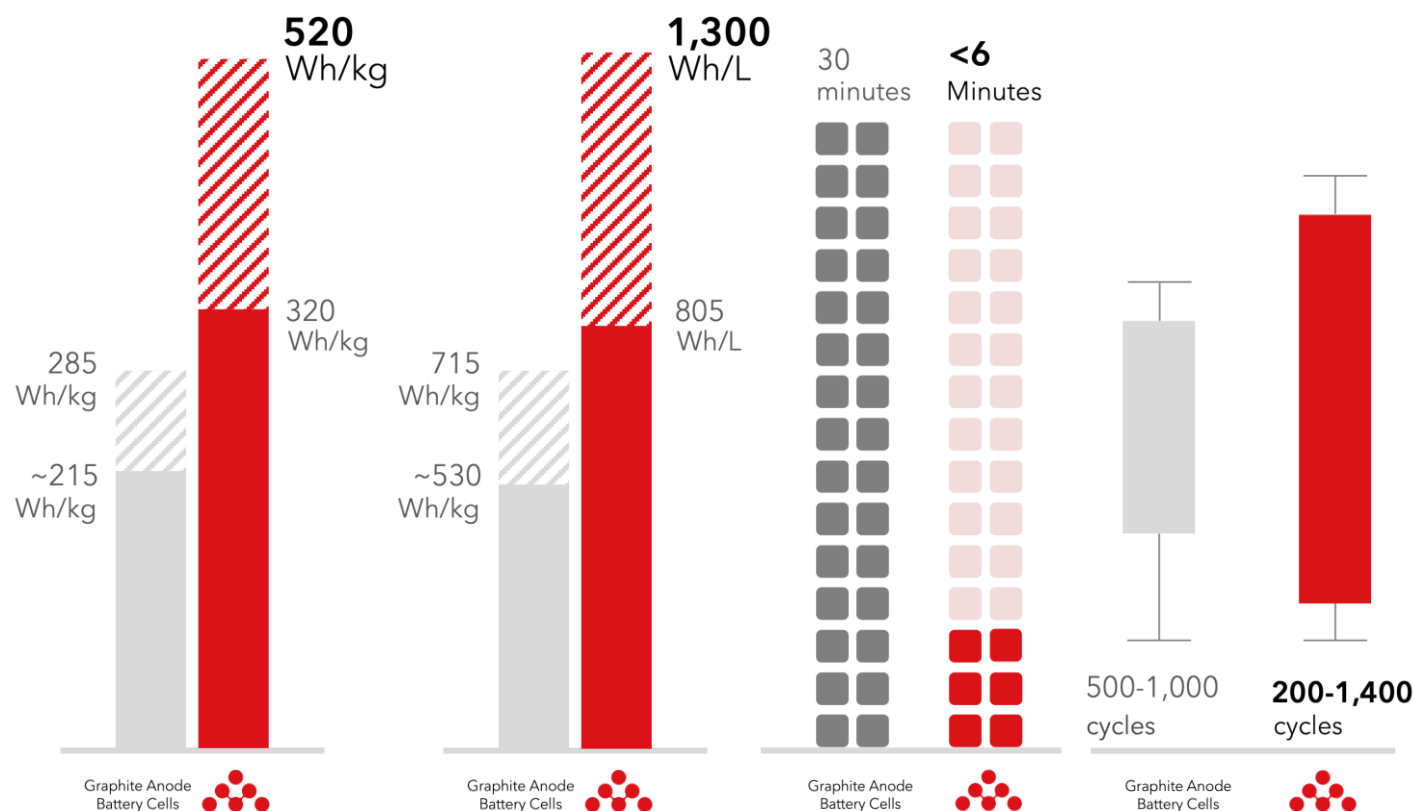
Note: figures are industry-typical ranges by class, not single-platform specs. Expected Amprius content per aircraft is illustrative, based on cell-level pricing; one-way platforms consume the pack each mission.

Winning Through Clearly Demonstrated Performance

Amprius' silicon anode platform enables higher energy density without compromising other important requirements.

Delivering 2X the energy per unit of weight or space and faster charge rates, without compromising cycle life...

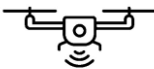
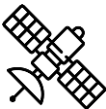
... in a tunable platform that delivers an optimized cell to enable specific duty cycles.



...and broadening the operating temperature range...

Diverse and Fast-Growing End Markets

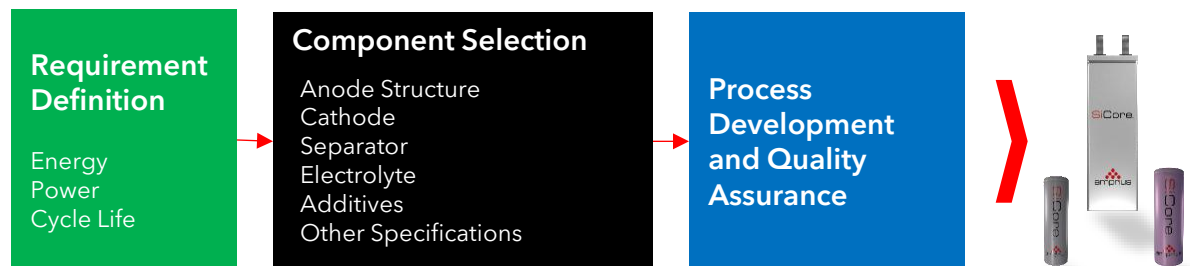
Various fast-growing markets demand high energy density and offer us the opportunity to increase our share withing them.

Target End Markets	Duty Cycle Requirements	Why Energy Density Matters	Global Li-ion Cell Market Sizing (\$B)
UAVs 	Payload & Loiter Time: Shifting from consumer products to defense, delivery, and industrial inspection. Higher density allows for heavier payloads (advanced optics, LIDAR, cargo) without sacrificing critical flight time.	Crucial for maximizing flight endurance while carrying weight and powering sensors, radars, devices.	+160% 35 8 11 5 10 2026 2030 2035 Satellites/Space +5% p.a. eVTOLs +46% p.a. Robotics +58% p.a. UAVs +15% p.a. Light Evs +9% p.a. 7 2 5 13 2 8 1 3 10
Satellites / Space 	Launch Economics: Launch costs are strictly bound by mass and volume. Maximizing power storage within confined spaces (like CubeSats) directly dictates mission capabilities and orbital lifespan.	Maximizing power within spatial constraints enables lower cost launches and higher payloads	
Light EVs (e-Bikes, Scooters) 	Form Factor & Range: Consumers demand longer ranges between charges, but the battery must be seamlessly hidden within sleek frame designs to maintain aesthetic appeal and agile handling.	Fitting more capacity into standard / space constrained pack sizes and enabling range.	
Robotics (Humanoid, AMR) 	Untethered Uptime: Maximizing productivity shifts for industrial robots without frequent charging. For humanoid robots, batteries must fit compactly within joints/torsos while delivering high burst power for agile movements.	Weight impacts center of gravity; volume dictates the robot's physical profile.	
eVTOLs (Air Taxis) 	The Absolute Enabler: Current lithium-ion chemistries struggle to make commercial passenger routes viable. High energy density is the strict technological gateway to achieving the necessary range, payload and safety needs.	Essential for vertical takeoff paired with sustained cruise range.	

System Capabilities, Speed, and Flexibility Define Us

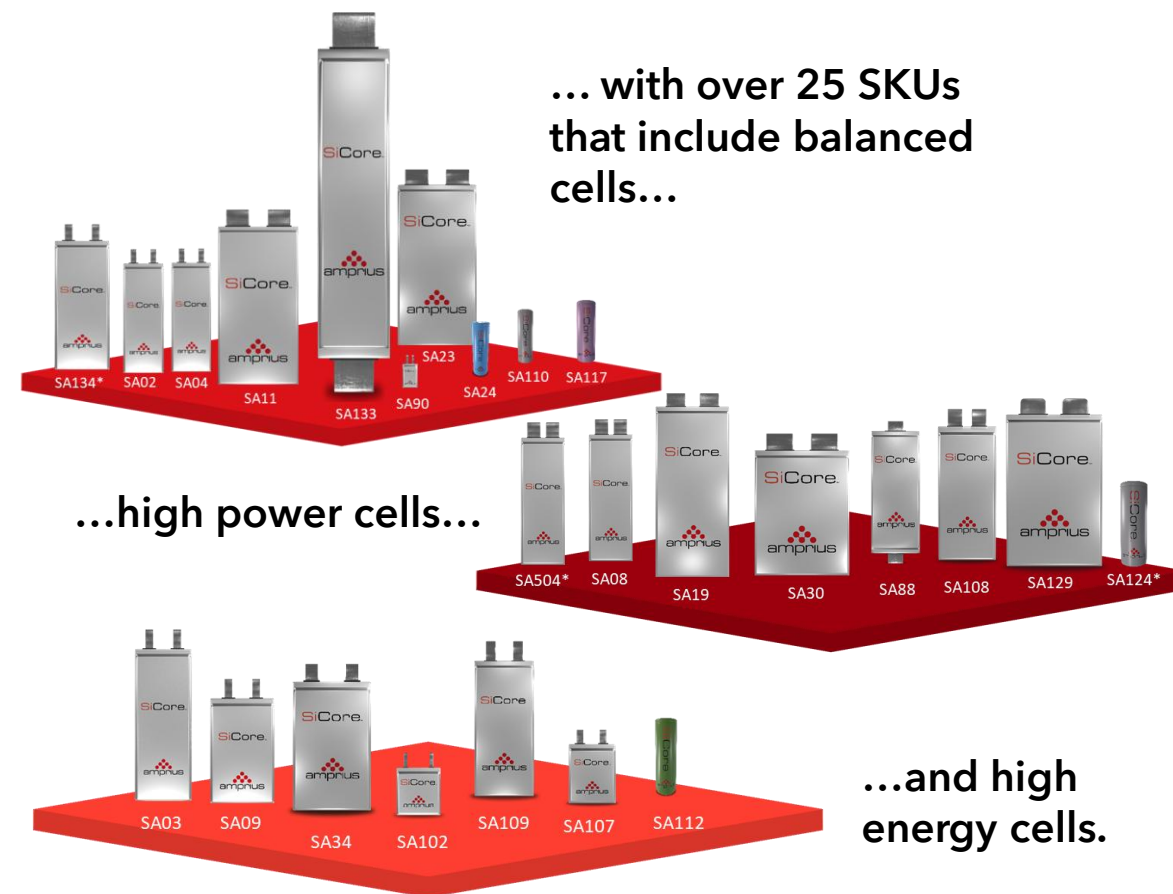
Full system development and flexibility position Amprius to capture demand by providing the right cell for the application.

Design and development capabilities at the cell level...



... enable us to quickly deliver the right cell in the right form factor, with the right capabilities to customers...

... combined with the ability to use standard lithium-ion cell production equipment...



... with over 25 SKUs that include balanced cells...

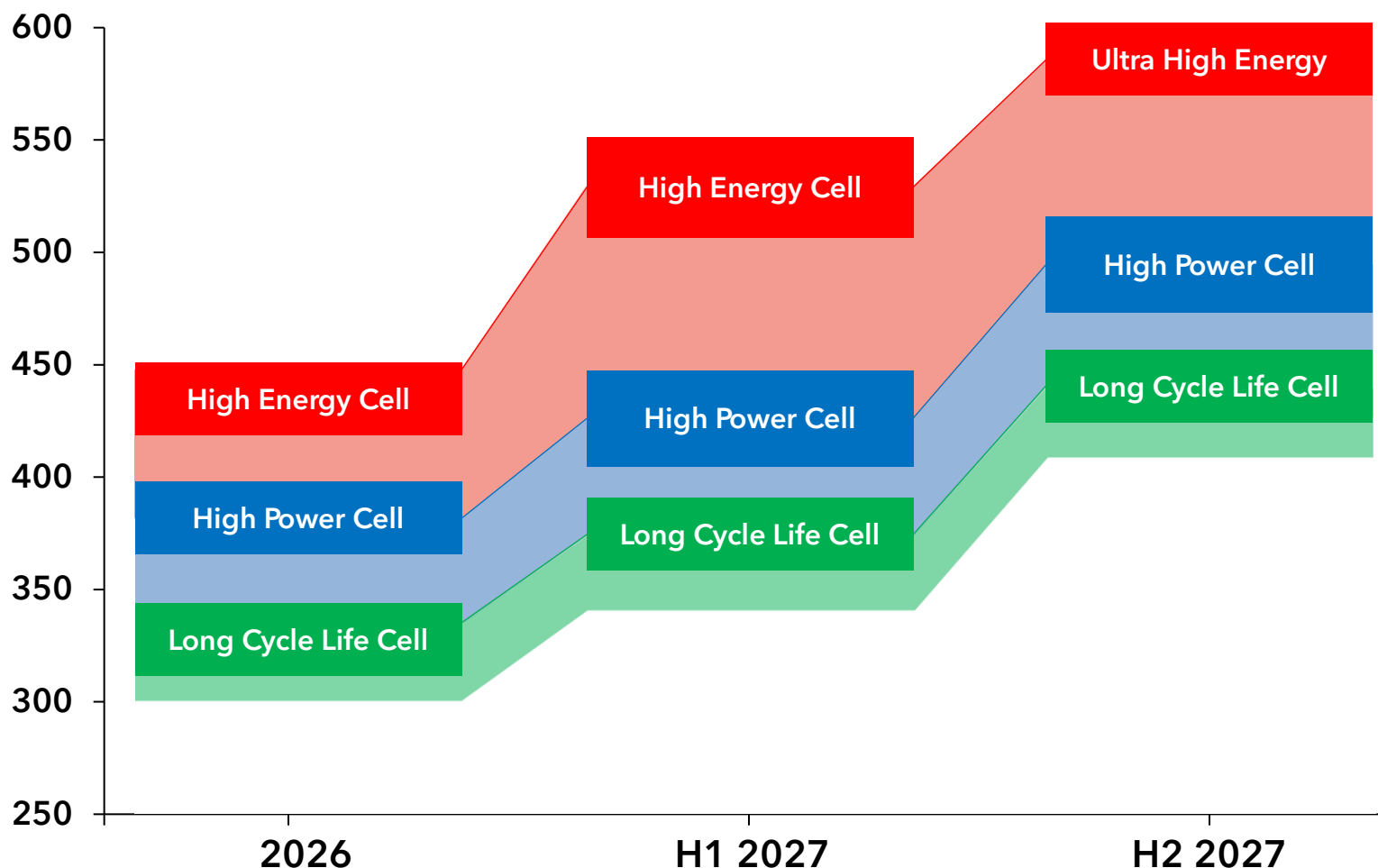
...high power cells...

...and high energy cells.

Our Cell Roadmap Will Extend Our Lead

Amprius is planning energy density improvements that will provide more power, higher density and cycle life.

Target Roadmap Cell Energy Density - (Wh/kg)



Target Applications and Duty Cycles

High Energy Cells



Where long uptime enables range and usability

High Power Cells



Where sustained high-power bursts are needed

Long Cycle Life Cells



Where a long life with high energy density is needed

Long-Term Targets

Driving capacity, growth and margins with capital efficiency and a low fixed-cost structure

From \$73M in 2025 to \$600M+ of capacity by 2030 – at >30% gross margin and >20% Adj. EBITDA margin

Countries of supply

United States

South Korea

China

+ first Korean CM, 1.8 GWh

United States

South Korea

China

+ U.S. coating, More Korean partners

United States

South Korea

China

+ additional allied nations

2025 Actuals

\$73M

Gross margin 11%

Adj. EBITDA 7% in Q4

Go-to-market focused on UAV and light EV, with over 550 customers secured off a low revenue base. Exited Q4 at a 25% gross margin run rate.

2026 Outlook

≥ \$140M

Gross margin ≥ 28%

Adj. EBITDA **Positive, \$4M**

Raised in Q2 2026. Expanding from a higher revenue base with a proven model and longer-term customer commitments.

2030 Target

\$600M+

Capacity basis **Contracted GWh**

Gross margin **>30%**

Adj. EBITDA **>20%**

High-growth, scaled multi-market leader with global reach, setting the technical pace for the industry.

NDAA Compliance – What Does it Mean?

Federal law is locking non ally made cells and materials out of the U.S. defense supply

WHAT NDAA COMPLIANCE MEANS

THE MANDATE

Section 154 of the FY2024 NDAA

bars the U.S. Department of Defense from buying batteries produced by six named manufacturers.

"Produced" = final assembly or a majority of the components.

WHO'S RESTRICTED

Six firms supplying most of the world's lithium-ion cells:

**CATL • BYD • Envision Energy
EVE Energy • Gotion • Hithium**

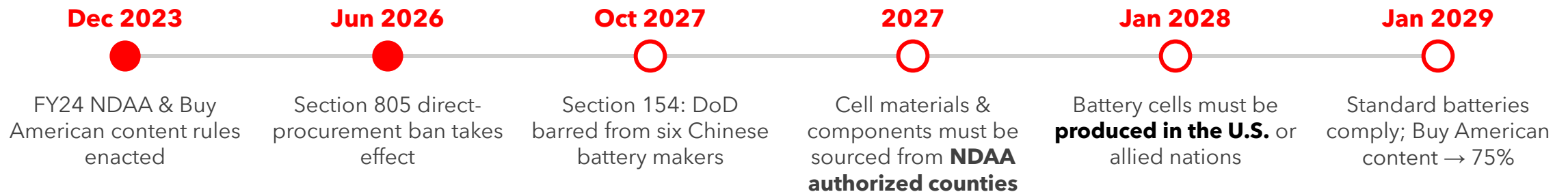
MATERIALS & CONTENT

Ban is entity-based, not a materials rule.

Non-ally inputs are allowed unless a listed firm supplies a majority of the components.

Newer FEOC rules (Sec 842) phase in non-ally materials and U.S./allied cell production.

WHEN THE REQUIREMENTS TAKE EFFECT



Bottom line: the rules phase in from 2027 – non-ally cell materials, U.S./allied cell production, and rising domestic content.

GAAP to Non-GAAP Reconciliation

	2025		2026		
\$ in millions	LTM	Q2	LTM	Q2	FY Guidance
Net loss attributable to common stockholders	(38.0)	(6.4)	(38.4)	(5.1)	(10.0)
Increase in net loss due to warrant modification	-	-	1.9	1.9	1.9
Non-GAAP adjusted net loss	(38.0)	(6.4)	(36.5)	(3.2)	(8.1)
Depreciation and amortization	3.7	1.0	3.9	0.8	4.7
Stock-based compensation	7.9	1.9	8.3	2.5	8.3
Interest and foreign exchange	(1.4)	(0.4)	(3.2)	(1.1)	(1.0)
Colorado operating cost	8.2	1.7	4.4	-	-
Impairment and other	1.9	-	22.2	-	-
Adjusted EBITDA	(17.8)	(2.1)	(0.8)	(1.0)	3.9