Eos Energy Storage Analyst Day Presentation



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Important Information About the Business Combination and Where to Find It

BRPM II. a publicly traded special purpose acquisition company, and Eos have entered into a definitive merger agreement for a business combination that would result in Eos becoming a publicly listed company. Upon closing of the transaction, the combined company will be renamed Eos Energy Storage. Inc. and intends to list its shares of common stock on Nasdag under the ticker symbol "EOSE". In connection with the business combination, BRPM II has filed a preliminary proxy statement with the United States Securities and Exchange Commission ("SEC"). BRPM II stockholders and other interested persons are advised to read, when available, the preliminary proxy statement and any amendments thereto and, once available, the definitive proxy statement, in connection of proxies for the meeting of stockholders to be held to approve, among other things, the Transaction, because the proxy statement will contain important information about BRPM II. Eos and the Transaction. This material is not a substitute for the definitive proxy statement/prospectus regarding the Transaction. Investors and securityholders are urged to read the proxy statement, any amendments thereto and any other relevant documents that are filed with the SEC carefully and in their entirety because they contain important information about BRPM II, Eos and the propped business combination. When available, the definitive proxy statement will be mailed to BRPM II stockholders as of a record date to be established for voting on the Transaction. Stockholders will also be able to obtain copies of the proxy statement, without charge once available, at the SEC's website at www.sec.gov. Copies of the documents filed with the SEC by BRPM II when and if available, can be obtained free of charge by directing a written request to B. Riley Principal Merger Corp. II. 299 Park Avenue. 21st Floor, New York, New York 10171 or by telephone at (212) 457-3300.

Participants in the Solicitation

BRPM II and its directors and executive officers may be deemed participants in the solicitations of proxies from BRPM II's stockholders with respect to the Transaction. A list of the names of those directors and executive officers and a description of their interests in BRPM II is contained in the preliminary proxy statement and will be included in the definitive proxy statement when available. Eos and its directors and executive officers may also be deemed to be participants in the solicitation of proxies from the stockholders of BRPM II in connection with the Transaction.

Forward-Looking Statements and Investment Considerations

This presentation includes "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1996. BRPM II's and Eos's actual results may differ from their expectations, estimates and projections and consequently, you should not rely on these forward-looking statements as predictions of future events. Words such as "expect", "estimate", "project", "budget", "forecast", "anticipate", "intend", "plan", "may", "will", "could", "should", "believes", "predicts", "predicts", "potential", "continue", and similar expressions are intended to identify such forward-looking statements. These forward-looking statements include, without limitation, BRPM II's and Eos's expectations with respect to future performance and anticipated financial impacts of the Transaction of closing conditions to the Transaction and the timing of the Completion of the Transaction. These forward-looking statements involve significant risks and uncertainties that could cause the actual results to differ materially from the expected results.

Factors that may cause such differences include, but are not limited to: (1) the inability of BRPM II to enter into a definitive agreement with respect to the Transaction or to complete the Transaction: (2) matters discovered by BRPM II or Eos as they complete their respective due diligence investigations of each other: (3) the outcome of any legal proceedings that may be instituted against BRPM II or Eos following announcement of the Transaction; (4) the risk that the announcement or consummation of the Transaction disrupts current plans and operations; (5) the inability to recognize the anticipated benefits of the Transaction; (6) costs related to the Transaction; (7) changes in the applicable laws or regulations; and (8) other risks and uncertainties indicated from time to time in BRPM II's filings with the SEC. BRPM II cautions that the foregoing list of factors is not exclusive and not to place undue reliance upon any forward-looking statements, which speak only as of the date made. Neither BRPM II nor Eos undertakes or accepts any obligation to release publicly any updates or revisions to any forward-looking statements to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based.

Industry and Market Data

In this presentation, we rely on and refer to information and statistics regarding market participants in the sectors in which Eos competes and other industry data. We obtained this information and statistics from third party sources, including reports by market research firms and company Filings.

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Use of Projections

This presentation also contains certain financial forecasts of Eos, which were prepared in good faith on a basis believed to be reasonable. Such financial forecasts have not been prepared in conformity with GAAP. Neither BRPM II's nor Eos's independent auditors have studied, reviewed, compiled or performed any procedures with respect to the projections for the purpose of their inclusion in this presentation, and accordingly, neither of them expressed an opinion or provided any other form of assurance with respect thereto for the purpose of this presentation. These projections are for illustrative purposes only and should not be relied upon as being necessarily indicative of future results. In this presentation, certain of the above -mentioned projected information has been provided for purposes of providing comparisons with historical data. The assumptions and estimates underlying the prospective financial information are inherently uncertain and are subject to a wide variety of significant business, economic and competitive risks and uncertainties that could cause actual results to differ materially from those contained in the prospective financial information. Projections are inherently uncertaindue to a number of factors outside of Eos's control. Accordingly, there can be no assurance that the prospective results are indicative of future performance of the combined company after the Transaction or that actual results will not differ materially from those presented in the prospective financial information. Inclusion of the prospective financial information in this presentation should not be regarded as a representation by any person that the results contained in the prospective financial information will be achieved.

Use of Non-GAAP Financial Measures

This presentation includes non-GAAP financial measures, including EBITDA. BRPM II and Eos believe that these non-GAAP measures are useful to investors for two principal reasons: 1) these measures may assist investors in comparing performance over various reporting periods on a consistent basis by removing from operating results the impact of items that do not reflect core operating performance; and 2) these measures are used by Eos's management and board of directors to assess its performance and may (subject to the limitations described below) enable investors to compare the performance of Eos and the combined company to its competition. BRPM II and Eos believe that the use of these non-GAAP financial measures provides an additional tool for investors to use in evaluating ongoing operating results and trends. These non-GAAP measures should not be considered in isolation from, or as an alternative to, financial measures determined in accordance with GAAP. Other companies may calculate these non-GAAP measures differently, and therefore such measures may not be directly comparable to similarly titled measures of other companies. This presentation includes financial forecasts, including, but not limited to, with respect to Eos's EBITDA. A reconciliation of these forward-looking non GAAP financial measures to the most directly comparable GAAP financial measures is not provided in this presentation because neither BRPM II nor Eos is able to provide such reconciliation without unreasonable effort.



Participating Management



Dan Shribman

CEO of B. Riley Principal Merger Corp. II and Chief Investment Officer of B. Riley Financial



Russ Stidolph Chairman of the Board



Joe Mastrangelo Chief Executive Officer



Nathan McCormick Senior Vice President, Operations





Francis Richey Vice President, Research & Development



Daniel Friberg Senior Vice President, Technology



Sagar C. Kurada Chief Financial Officer



Agenda

- + Welcome, Transaction Overview
- + Addressable Market
- + Company Overview
- + Technology Evolution
- + Product Development
- + Supply Chain Readiness
- + Pipeline and Growth Strategy
- + Financial Overview
- + Questions & Answers

Dan Shribman Russ Stidolph Joe Mastrangelo Francis Richey **Daniel Friberg** Nathan McCormick Joe Mastrangelo Sagar Kurada Management Team



Transaction Overview



Dan Shribman

CEO of B. Riley Principal Merger Corp. II and Chief Investment Officer of B. Riley Financial



Transaction Overview

- 1. B. Riley Principal Merger Corp. II (NYSE:BMRG, "BRPM II") has entered into a definitive agreement to combine with Eos Energy Storage LLC ("Eos")
- 2. The combined company is expected to be capitalized with \$202m of new equity which will be used to support the build-out of incremental manufacturing capacity and accelerate the global sales pipeline¹
- 3. Deal capitalization includes a \$40m equity commitment by B. Riley Financial
- 4. Existing Eos investors are rolling forward 100% of their equity in Eos into the combined company
- 5. The Board will be comprised of 7 members including: Chairman Russ Stidolph, CEO Joe Mastrangelo and B. Riley Financial CIO Daniel Shribman
- 6. Seeking to close business combination with first day of new Eos trading mid November, subject to BRPM II stockholder approval

	BRPM Cash Held In Trust	\$177
Sources (\$mm)	Existing Eos Shareholders Roll	\$300
sources	PIPE backstop	\$40
07	Total Sources	\$517
	Shares to Existing Eos Shareholders	\$300 ³
(\$mm)	Shares to Existing Eos Shareholders Estimated Fees and Expenses	\$300 ³ \$15
Uses (\$mm)		

⁽¹⁾ Based on fully diluted shares outstanding at \$10.00 share price. Excludes 9.08MM warrants outstanding, with a strike price of \$11.50 per share. Excludes 3.75MM earn-out shares. Assumes no redemption of BRPM II public shares.

⁽³⁾ Subject to certain downward adjustments, and the other terms and conditions set forth in the Merger Agreement, at Closing Eos's securityholders will receive aggregate consideration equal to up to \$300 million of shares of the BMRG II common stock (including shares issuable upon exercise of certain options to acquire such shares), or up to 30,000,000 shares (assuming exercise of certain options to acquire such shares) valued at \$10.00 per share.



⁽²⁾ Based on management's estimates

Investment Rationale

. Battery storage is the main technology driving the energy storage market today.

- 2. Energy storage provides flexibility and can enhance the reliability and resiliency of energy grid operations providing customer solutions.
- 3. As renewable energy generation continues to grow, storage will play a critical role in balancing the variable output of wind and solar farms. Storage will can help to optimize renewable energy when there is excess generation and discharging energy when it is needed.
- 4.
- Recent public policies and regulations updates will help energy storage reach its full potential.
- 5. Eos represents a safe, scalable, efficient, low cost and reliable alternative to Lithium-ion with over 10 years of proven research and development.
- 6.

Experienced management team and a proven track-record of scaling business operations and growth



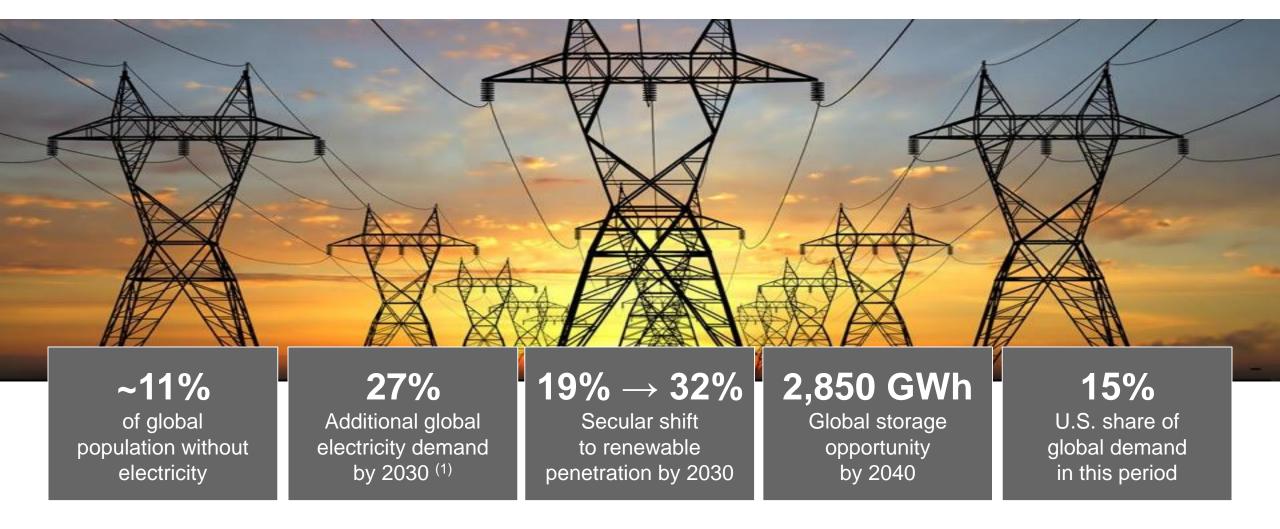
Addressable Market



Russ Stidolph Chairman



The World is Electrifying – Global Energy Storage Market Estimated to Attract \$660 Billion of Investment by 2040

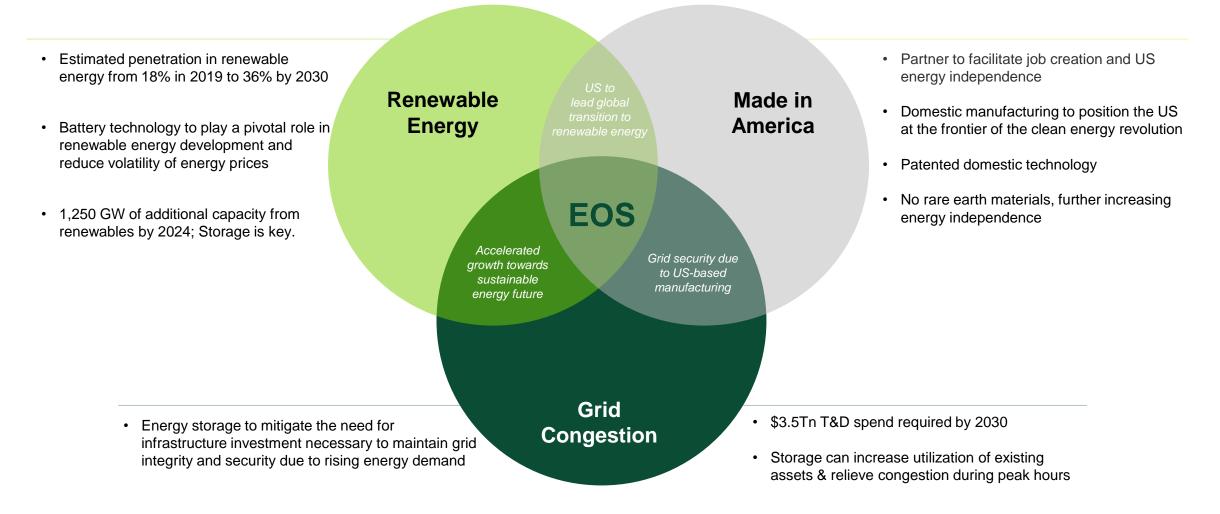


Source: BNEF, U.S EIA, World Bank, United Nations. (1) Represents incremental global electricity demand to 2030 divided by 2019 global electricity consumption



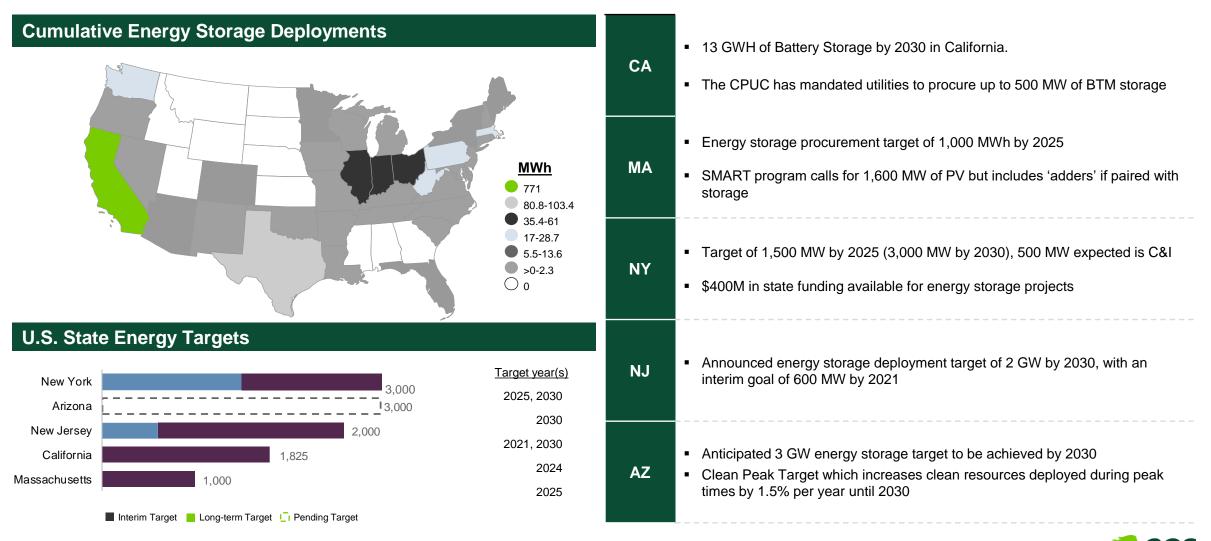
US Energy Ecosystem at Inflection Point

Energy storage to provide essential infrastructure for renewable energy proliferation and grid congestion management \$200bn+ total storage spend by 2030; Every 1% market share in 2030 = \$850m in revenue



Source: BNEF; International Renewable Energy Agency; Solar Energy Industries Association **Eos. Positively ingenious.**

Regulatory Policy Acting as a Significant Tailwind for Energy Storage Deployment



Eos. Positively ingenious.

Sources: HIS, BNEF.

Renewable Energy Penetration to Drive Energy Storage Growth

Renewable Growth **Storage Dynamics** Why Now? 348 GW New-build storage by 2030 Electricity generation Renewable energy contributed 76% of total added from renewable energy electricity capacity in 2020, higher than other sources of sources rises from 17% ~\$203B storage investment by 2030 energy for the first time in 2019 to 20% in 2020 In the U.S. alone, battery storage and to 22% in 2021. 25% of total generated **Renewable Energy** deployments are expected to increase electricity in the US by Growth Since 2015, US solar six-fold by 2025 2025, up from 15%¹ today energy production has increased 4x+ 15 US States with storage policies $50\%^2$ + of solar projects Need for Storage are expected to have ~\$2.8B potential value of Eos urban storage capacity storage projects in NYC⁽¹⁾ alone. Energy storage to grow by 22% CAGR in the US from **Projected Growth** 2020 through 2040 Source: BNEF (1) Wood Mackenzie, April 2020 Report (2) California Public Utilities Commission "reference system portfolio" report, March 2020

Eos. Positively ingenious.

-Source: BNEF, NYC Planning and October 2020 EIA Short-term Energy Outlook
- 1) Assumes 10% Eos penetration rate for indoor urban storage projects in large NYC buildings with basements (~23,000). Assumes Eos provides the DC system only (and one per building).



Company Overview



Joe Mastrangelo Chief Executive Officer



Eos Energy Storage System

Energy storage serves as a central catalyst for modernizing and creating a more reliable and resilient, efficient, sustainable, and affordable grid.

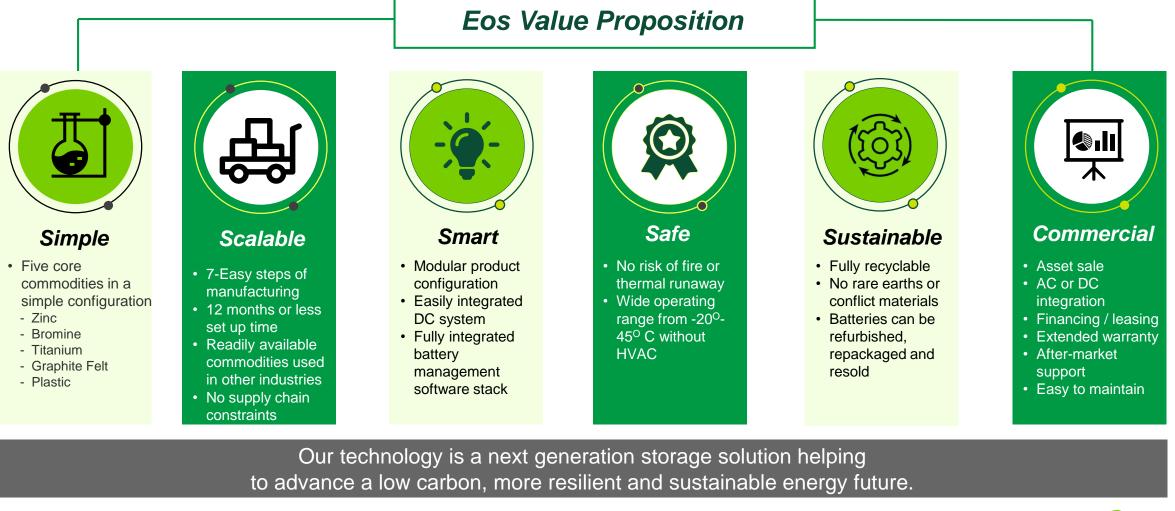


Eos is powering the clean energy renaissance with a positively ingenious energy storage solution

- Global energy storage market estimated to grow 20% CAGR over 20 years
- Eos technology is optimized for the 4+ hour storage market
- Zinc electrolyte-based chemistry; No rare earth minerals required
- Fully recyclable, non-flammable, and non-toxic
- Made in the USA



Leveraging Scalable, Smart, Safe Technology for a Best-in-Class Commercial Battery Solution



Technology Evolution

Significant milestones achieved since inception

Gen. 1.0 commercial prototype	Gen. 2.0 beta system released	Operating Gen. 2.0 projects	Gen. 2.3 program launch	Gen. 3.0 program launch
		SB Energy Status Croup Status Croup Status Croup		
	 Robust mechanical design BMS software & firmware Field operations Product certifications 	 Executed on 3 continents Operated from -10C to 50C without HVAC DC coupled solar to C&I installations 	 Containerization Plastics welding Material reduction Improved manufacturing yields Fully recyclable 	 Reduce footprint Low cost of material Lower installation costs
2017	2018	2019	2020	2021+
Gen 1.0 performance	Gen 2.0 performance	Gen 2.0 performance	Gen 2.3 performance	Gen 3.0 performance
Power .5 kW	Power 100 kW	Power 100 kW	Power 150 kW	Power 175 kW
Energy 2.1 kWh	Energy 300 kWh	Energy 300 kWh	Energy 600 kWh	Energy 700 kWh
RTE 65-70%	RTE 70-75%	RTE 70-75%	RTE 75-80%	RTE 80%+

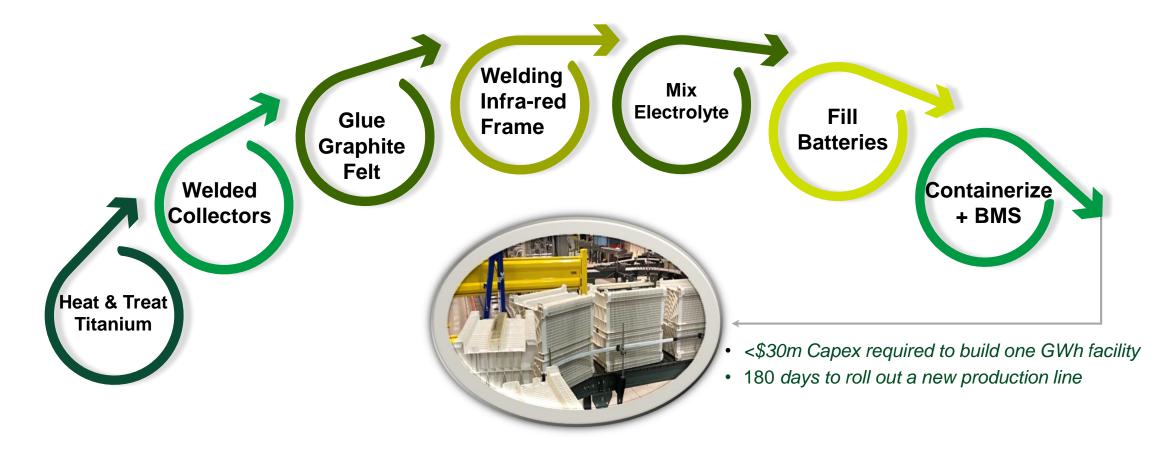
We are committed to continuous improvement and innovation.

Note: Performance of Gen 2.0 Beta has been validated by a third-party commissioned expert technical report.



Simple, Efficient, Modular & Scalable Manufacturing

Company plans to have 7+ GWh of production capacity by 2024



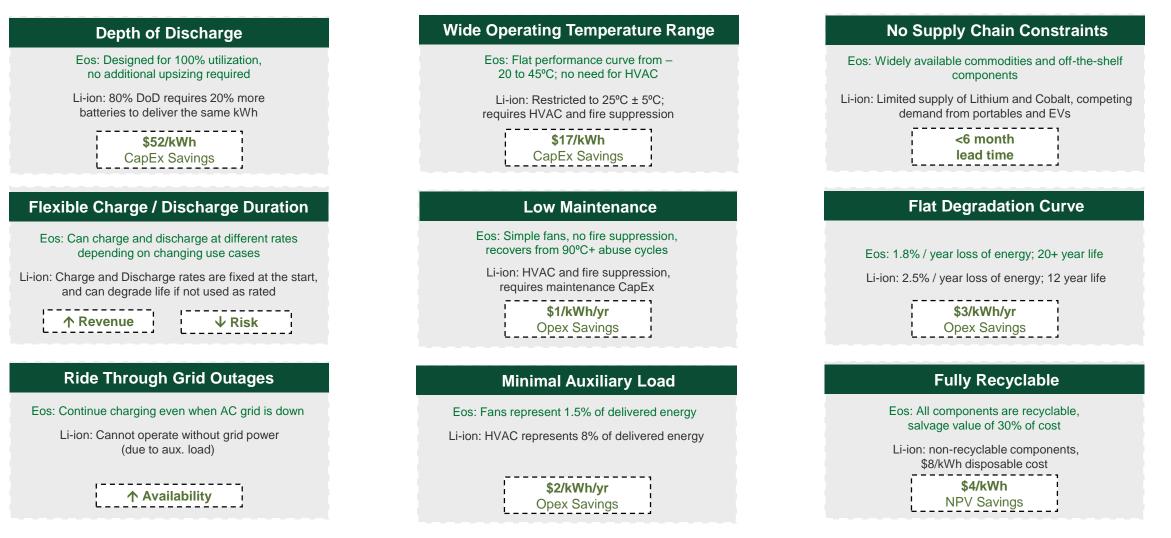
Eos' highly scalable manufacturing platform can be localized anywhere in the world in <12 months for less than ~\$30m.

Note: Holtec, a leading nuclear & power equipment maker is a strategic investor in Eos, and its JV partner in Pittsburgh; Eos maintains optionality on wholly-owned manufacturing facility going forward **Eos. Positively ingenious.**



Lower Customer Risk, Increased ROI, Added Safety

Improved performance resulting in ~30% reduction in levelized cost of storage



(1) RTE (round trip efficiency) is defined as the amount of energy retained in the storage system from the original DC input and supplied thereafter to a DC / AC system during discharge **Eos. Positively ingenious.**



Robust Long-Term Value Proposition to Customer

Competing Technologies

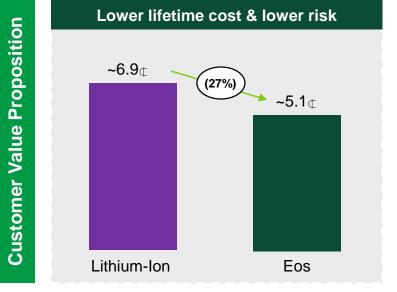


Li-Ion

REDOX FLOW SUMTOMDELECTRO

eos

Flow



Drivers

- Lower initial capital expenditure
- Lower lifetime operating cost
- Rational charging costs
- Minimal Auxiliary load losses

Eos Technology Uses & Applications

Storage solution optimized for the critical 4+ hour global storage market; ideal for renewable plus storage and grid congestion applications

Market Segments	Application	Value Proposition	Market Size	Pipeline Clients
Renewables	 Co-location of battery storage with renewable generation assets 	 Shift renewable power to when the grid needs it most Avoid curtailment and enable higher utilization of clean power assets 	 34,159 MWh CAGR +35% vs. 2020 	
Utility	 T&D deferral and Grid Resilience Shaving peak loads and replace aging peaker generation assets 	 Ability to defer/mitigate infrastructure upgrade costs and minimize outages Provides easy to deploy generation capacity to load centers where it is needed most Store inexpensive electricity for use during peak hours 	 28,787 MWh CAGR +33% vs. 2020 	Image: Second conditional condition
Commercial & Industrial	 Behind-the-meter energy management solutions at large commercial or industrial sites Microgrid resiliency and peak shifting 	 Shift peak demand needs to reduce electricity costs Microgrid resiliency/backup power Security 	 15,405 MWh CAGR +31% vs. 2020 	

Eos technology enables its customers to advance their own sustainability, resiliency and low-carbon goals

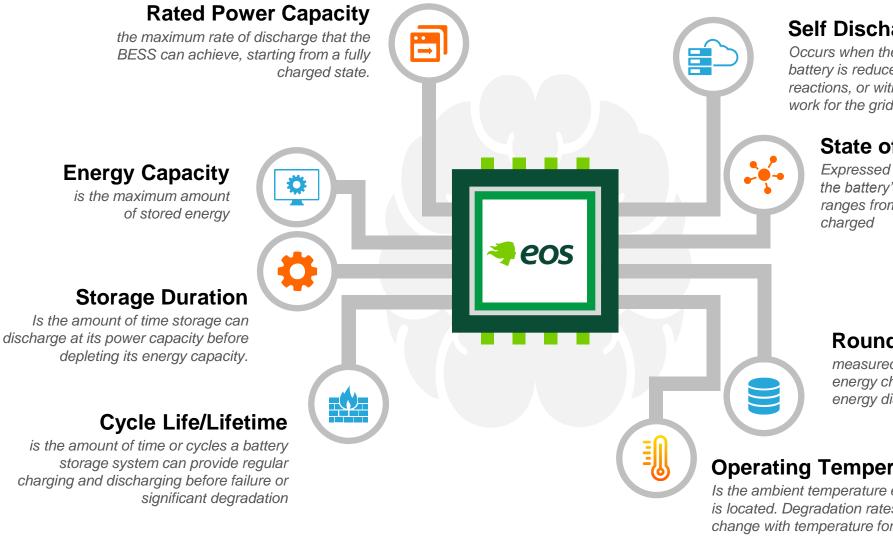
Technology Evolution



Francis Richey Vice President, Research & Development



What are the Key Characteristics of a Battery Storage System?



Self Discharge

Occurs when the stored charge (or energy) of the battery is reduced through internal chemical reactions, or without being discharged to perform work for the grid or a customer.

State of Charge

Expressed as a percentage, represents the battery's present level of charge and ranges from completely discharged to fully

Round Trip Efficiency

measured as a percentage, is a ratio of the energy charged to the battery to the energy discharged from the battery.

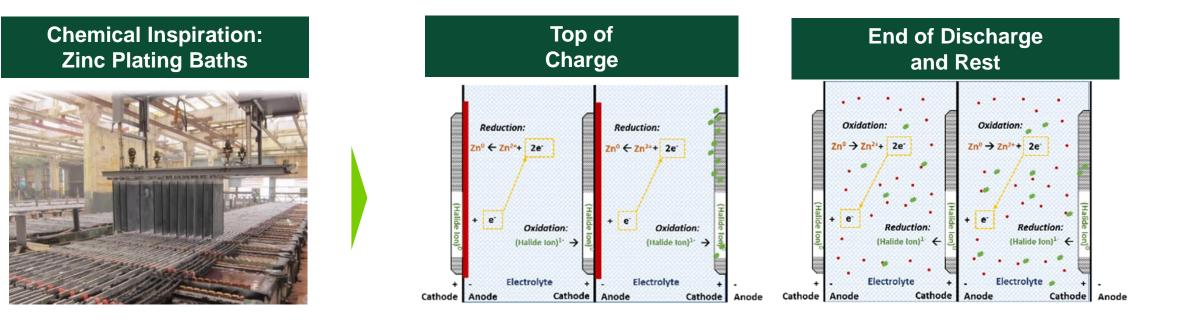
Operating Temperatures

Is the ambient temperature environment where the system is located. Degradation rates and energy capacity can change with temperature for some battery chemistries.



Eos Chemistry Overview

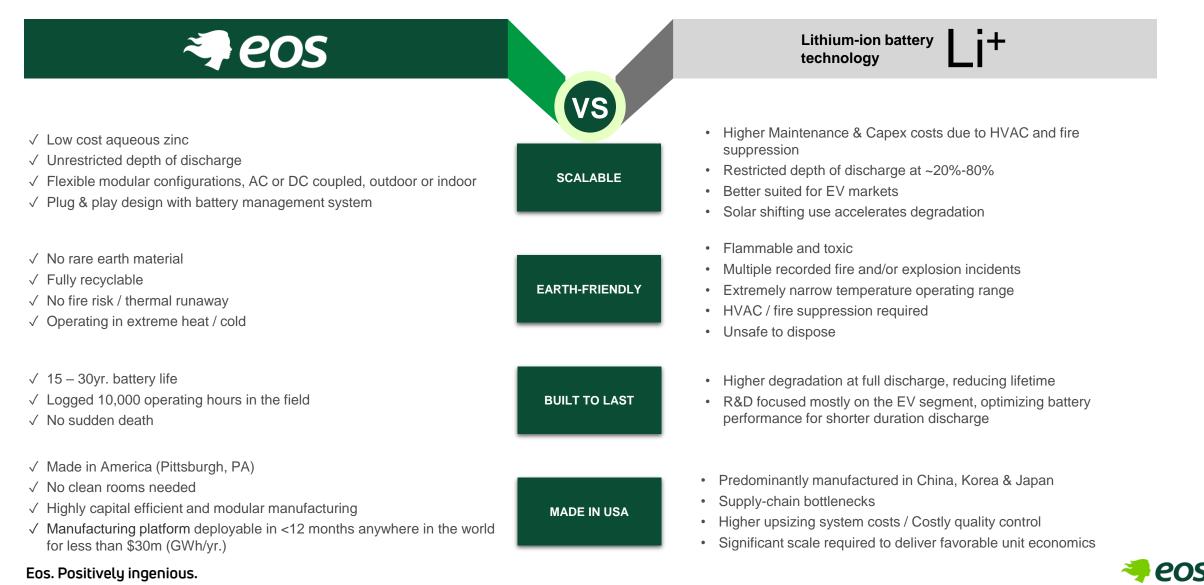
- ✓ Reversible zinc plating and halide redox with large aqueous electrolyte pool in a sealed bipolar battery
- ✓ Zn and Zn2+ accumulate at the anode Ti current collector
- $\checkmark\,$ Ha and Ha- accumulate at the cathode current collector



To specifically design and build a battery for the utility; combining known chemistries and striving to simplify design, manufacturing, and system requirements

Superior Technology Delivers Competitive Advantages Over Li-ion

Safer, environmentally friendly and cheaper energy storage solution



Battery Testing Facility in Edison, NJ

Eos Edison HQ Battery Test Lab Capabilities

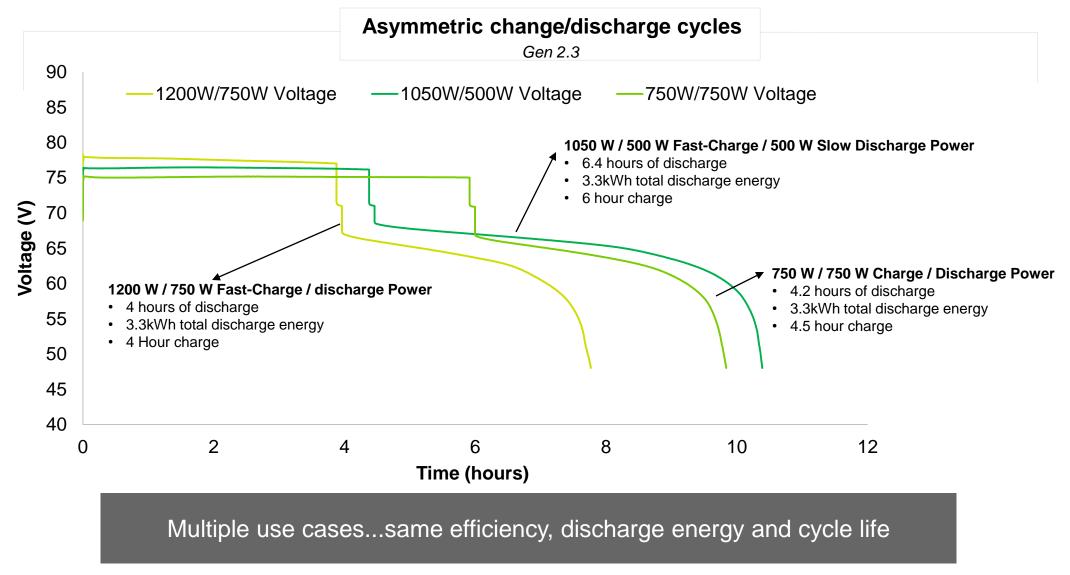
- 60 programmable battery module channels
- 1,200 programmable lab cell channels
- 3 high temperature chambers
- 1 programmable environmental chamber
- 4 Energy Block System-ready Test Bays
- 960,000 cycles achieved since 2016
- >73 MWhr of discharged energy since 2016





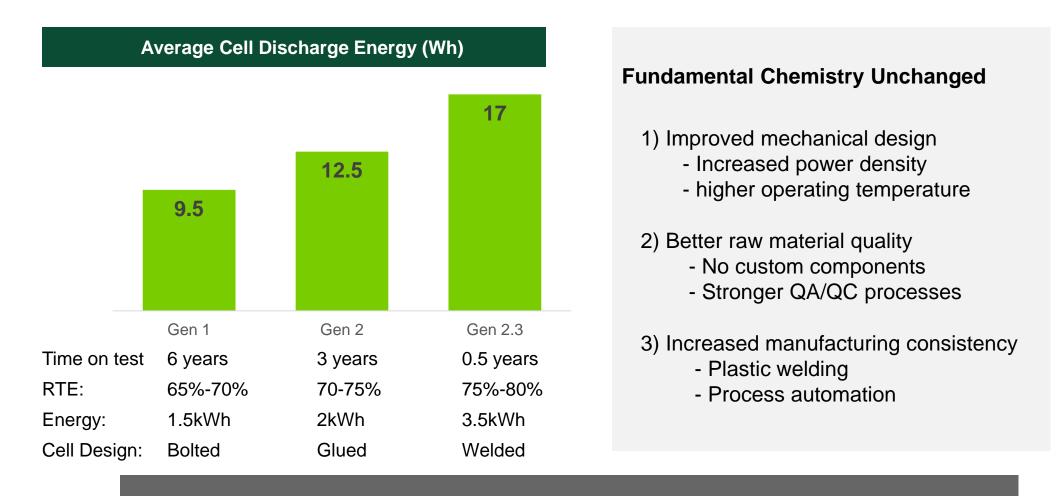


Eos Delivers Customer Operating Flexibility



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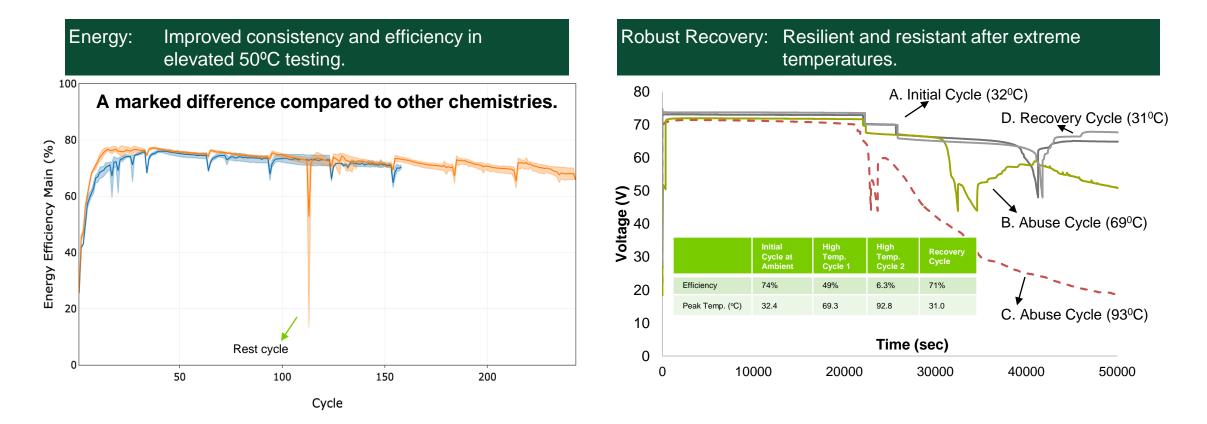
Technology Evolution



~10 years of testing that delivers improved performance with long cycle life



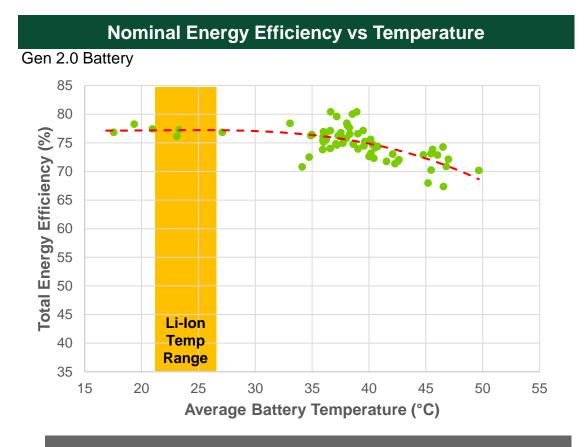
Safe Operation in Aggressive Environments – Elevated Temperature Testing



Battery is extremely resilient to aggressive environments and recovers after extreme temperature abuse testing, without the need for HVAC



Eos Battery Outperforms Li-Ion in Extreme Temperatures



Flat operating curve across a wide temperature range

* Efficiency values vary due to use case variations in operation of the systems

Eos. Positively ingenious.

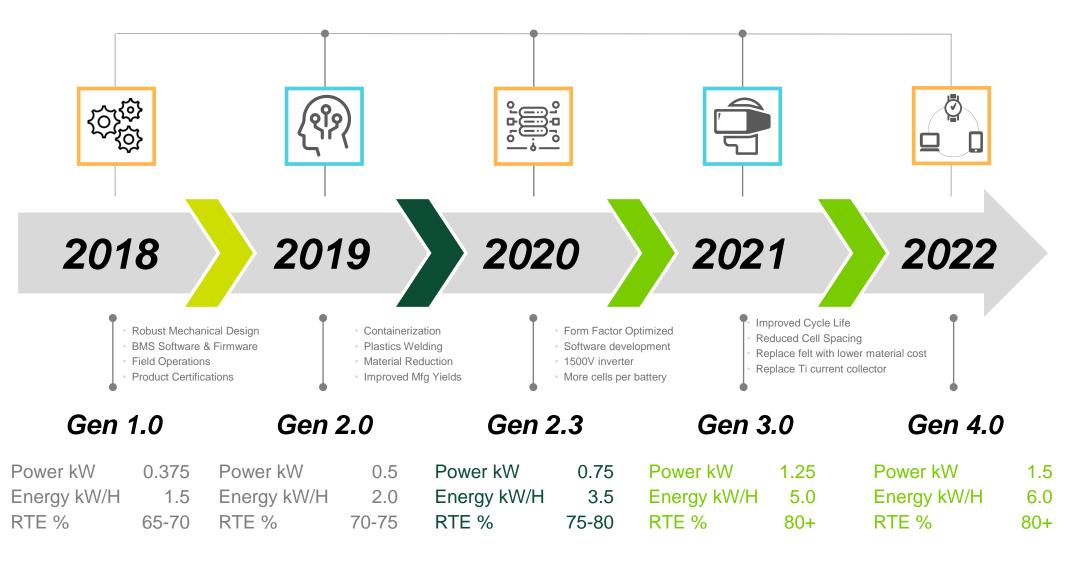
Demonstrable Characteristics

- Eos system has been tested over temperature ranges up to 50°C ambient
 - Wide temperature range from -12°C (NJ) to 48°C (India)
- Eos rides through Grid Outages
- Minimal impact on depth of discharge, RTE or degradation at higher temperatures

Improved levelized cost of storage, safety and reliability



Clear Roadmap for Eos Battery Incremental Improvements





Product Development

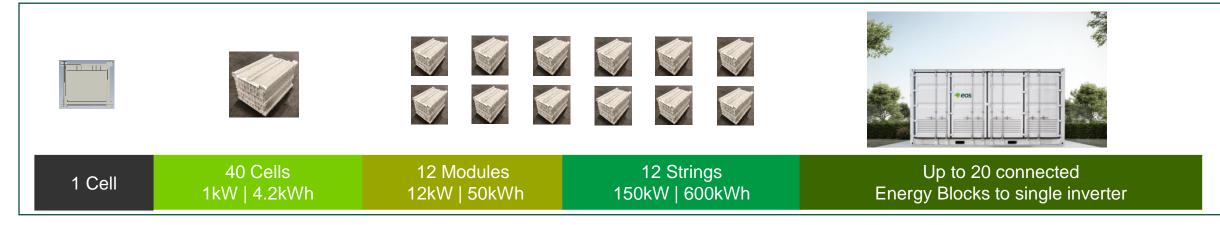


Daniel Friberg Senior Vice President, Technology

₽eos



Typical DC System Configuration & Layout Options



Flexible Storage Configurations to Fit Customer Needs



Containerized (10MW = 0.5 acres)

- Outdoor rated configuration
- · Can be double stacked
- Arrives fully assembled from Eos factory



PowerHouse (10MW = 0.15 acres)

- Indoor racking configuration
- Suitable to optimize foot print
- Improved aesthetic look



Indoor Urban 10MW = (15,000 sqft)

- Designed to meet FDNY requirements
- Utilize space inside large urban buildings

All Eos energy storage systems are protected and monitored by Eos' proprietary Battery Management System



Global Deployments with Industry Leaders

	Announced Projects				
	Project	Status	Use Case	Location	
		Operating	Multi		
	Large Global IPP	Complete	Solar Shifting	8	
0	🔘 PSEG	Operating	FR & Microgrid		
Gen2.0		Operating	Solar Shifting		
		Operating	Microgrid		
		Operating	BTM		
	Statkraft BrytEnergy	Commissioning	BTM		
	SDGE 🙆	Complete	CAISO Market-Arb)	
Gen2.3	SDGE @	Manufacturing	CAISO Market-Arb)	
G	OTOR OIL Ingeteam	Manufacturing	BTM		
Eos. Positively ingenious		Manufacturing	Microgrid		





Case Study 1: Duke Energy

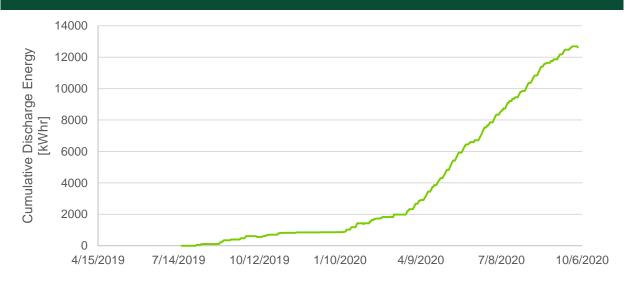
Project Overview



Project Highlights

- DC Coupled with customers PV system
- Installation to operation in 30 days
- COD: July 2019
- Peak Efficiency: 73%
- Discharge Time: 3 5.5 hours
- System Auxiliary Load: 0.3 0.4 kW

Total Discharge Energy



Customer Feedback

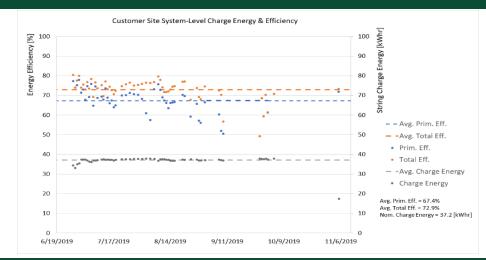
- · Eos claim of 100% use of SOC verified
- · Simplicity of Eos design decreases operating cost
- O&M costs estimated to be 35% lower (no HVAC), low aux. losses.
- No fire risk a significant benefit
- Recycle/disposal at end of life is a significant advantage as Lithium disposal is an unknown
- \$2/MWh LCOS advantage relative to Li-Ion
- "I can't hear it" There is no noise generated by Eos system

Case Study 2: Large Global IPP

Project Overview/System Specification

Description	 One Aurora 2.0 Energy Stack supporting DC-coupled solar shifting at an existing 3MW solar plant
Location	 Kurnool, India
Size	 1 Energy Stack, 6 Strings, 72 batteries
Operation Date	 March 2019 120 cycles performed, 9MWh delivered, 1,000+ hours of operation

Energy and Efficiency During Operational Cycles



Project Highlights			
Metric	Max	Min	Average
Primary Power	29.93 kW	21.95 kW	27.91 kW
Primary Discharge Duration	4.24 hr	2.32 hr	2.75 hr
Secondary Power	14.39 kW	4.2 kW	7.88 kW
Secondary Discharge Duration	12.74 hr	1.12 hr	3.98 hr
Temperature	53.5 °C	33.8 °C	44.43 °C
RTE	75.66%	69.20%	72.82%

Lessons Learned / Product Improvements

Lesson Learned	Subsequent Product Improvement
Overseas Deployment	 Developed operational capabilities to deploy and support product overseas Executed "Make in India" strategy implementing onsite battery filling and integration
High Temperature Performance	 Demonstrated that batteries are safe and resilient even when reaching temperatures as high as 70 °C Removed outer shells and upgraded ventilation to provide additional cooling Routinely operating at ambient temperatures as high as 45 °C

Case Study 3: SDG&E

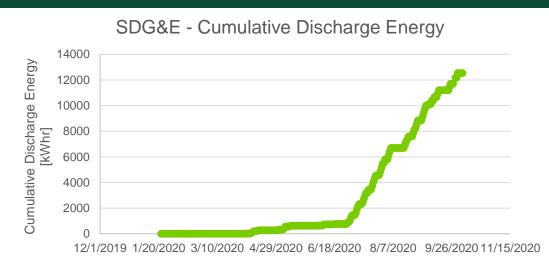
Project Overview



Project Highlights

- Grid connected at SDG&E Pala substation
- COD: Jan 2020
- · Full operation was delayed due to COVID in the spring
- Average Efficiency: 73%
- Discharge Time: 3 5.5 hours
- Wholesale Arbitrage use case demonstration

Total Discharge Energy



Observations

- Successfully operated by SDG&E during rolling blackouts in August September
- Eos battery system successfully responded to all high priority dispatch by SDG&E
- Customer Feedback Eos battery system was able to operate where other battery systems in the same substation failed to operate during rolling blackouts.
- SDG&E preparing site for a new Eos Gen 2.3 system.



Positive Performance of Eos Battery Over Strenuous UL Testing Standards

Eos is in the process of getting product safety UL certifications complete for:

- UL 1973: "Standard for Safety, for Stationary Applications"
- UL 9540A: "Standard for Safety for Thermal Runaway", represents harshest abuse testing

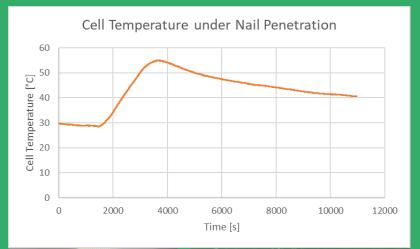
Test Type/Description	Eos Performance	Lithium Ion Performance	Eos Next Steps	
Over Discharge: Discharge to zero voltage	✓ None✓ Ready for continued operation	 Permanent damage/capacity loss, current collector dissolution 	Test Performed Successfully, Awaiting UL Acceptance	
21/2" Nail Penetration: Inject nail through battery case, causing cell short	✓ 25°C temperature rise	 Short circuit, Flame, thermal runaway (varies with cell Li-ion chemistry) 	Test Performed successfully, Awaiting UL Acceptance	
200% Overcharge: Charge battery indefinitely to about 200% nominal charge	 ✓ Battery reaches 90°C, No Flame, no explosion; electrolyte/steam release at terminals and gas channel 	 Lithium plating on anode, thermal runaway, fire explosion. Requires expensive overcharge protection electronics 	Test Performed, Adjust Gas Channel Cover and Pressure Relief to improve gas channel seal. Awaiting UL analysis of gas sample collected	
Battery Short Circuit: Connect + & – terminals together while battery is fully charged resulting in >20x nominal current	✓ Battery reaches 80°C and 425 amps of peak current, No Flame, no explosion; steam release at terminals and gas channel	 Flame, thermal runaway, explosion (varies with cell type) 	Test Performed, Adjust Gas Channel Cover and Pressure Relief to improve gas channel seal	



Nail Penetration Test

Eos ZnYTH Technology

No leak, no crippling rise in temperature







Rise in temp but no fire

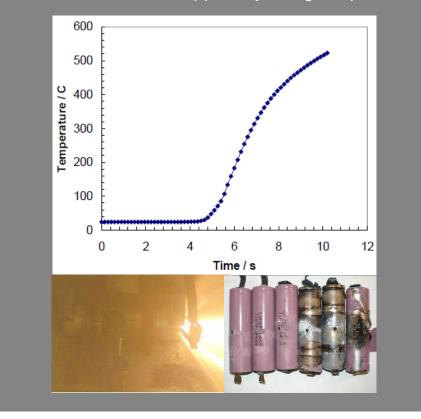
Puncture but no leak

https://youtu.be/ilkyKX1WSIU

(1) Source: TIAX LLC es142_sriramulu_2013_p.pdf

Eos. Positively ingenious.

Lithium Ion⁽¹⁾ Short circuit, flame, crippled by rising temperature



https://www.youtube.com/watch?v=jnXYDRifTBA



Short Circuit Test



Some venting of steam, over 425A current (>20x nom.) on a 20A rated battery.



Source: University Of Maryland (1)





Heavy combustible gas venting, then a large explosion and resulting fire



https://www.youtube.com/watch?v=HCGtRgBUHX8

Lesson Learned Eos Product Improvements Battery cover seal will be adjusted to prevent steam escape Venting of water steam from cover Adjust pressure relief valve that will control steam outflow



Supply Chain Readiness



Nathan McCormick

Senior Vice President, Operations



Eos Manufacturing Facility

In joint venture partnership with Holtec

Created HI-POWER to Deliver a 'Made in USA' Product



1.5 GWh/year production in North America

Holtec Manufacturing Division, Pittsburgh PA

- Dedicated Manufacturing joint venture, HI-POWER, established with Holtec International
- \$2-3bn privately held company and leading equipment supplier to the nuclear industry

Production started – Fully prepared to Scale

Note: Performance of Gen 2.0 Beta has been validated by a third-party commissioned expert technical report. **Eos. Positively ingenious.**

HI-POWER Scaling to Demand

Capacity Growth Lead Times

- Supply Base capacitated for ramp up w/ <6-month lead time
- ~30 employees/line basic factory skill set, 3 months to hire, train and qualify









Eos Supply Chain Evolution in the Last 12 Months

Safer, environmentally friendly and cheaper energy storage solution

1. Launched US Manufacturing

- Holtec: Signed 50/50 for manufacturing in the USA
- 1 Fully automated and integrated facility
- 1.5 GWh Annual manufacturing capacity
- 6 month lead time on delivery

2. Localized Supply

- Titanium: Rolled, Cleaned and Treated in Pennsylvania
- Battery Case/HDPE Frames: Molded in Michigan
- Manufacturing: 100% at HI-POWER

3. Scaling for Growth

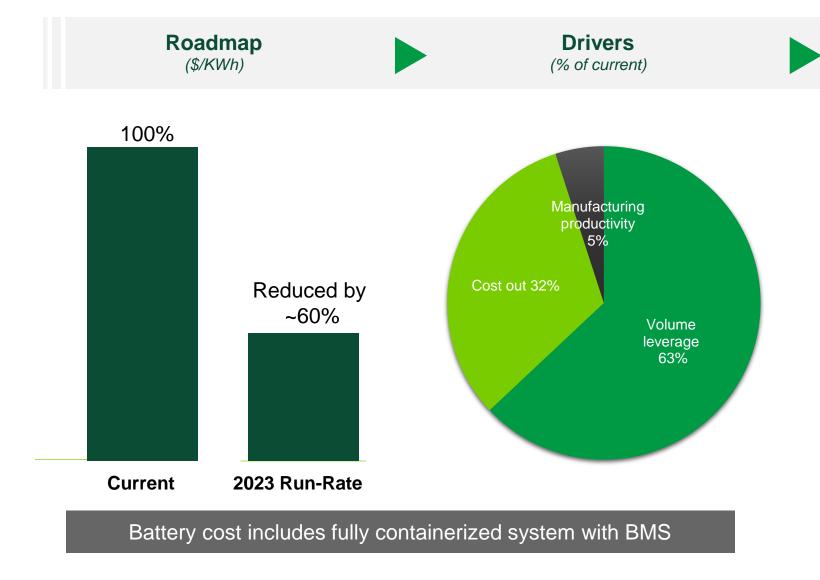
- Electrode Assembly: 2nd line operational in 1Q21
- Infra Red Welding: 2x capacity by year end, 4x by 1Q21
- Robotic Welder Loading: Higher throughput, reduced cost

4. Process and Supply Improvements

- Graphitized Felt: Higher quality, more consistent supply
 - 12% increase in discharge energy
 - 10% increase in energy efficiency
- Current Collector: Transitioned to Continuous Laser Weld
 - 3% increase in efficiency
- Titanium Plates: Improved plate to plate consistency
 - · Optimized Furnace design/layout for higher conversion rate
 - Automated sandblasting for consistency
- Battery Case: Shifted from Gluing to Infra-red Welding
 - Wider operating temperature range
 - Higher operating pressure tolerance
 - More consistent depth of pool



Eos DC System Cost Roadmap





- >60% of cost out secured with vendor quotes and purchase orders
- Improved aspect ratio and power density
- Manufacturing productivity & automation
- Insource/vertical integration



Pipeline and Growth Strategy



Joe Mastrangelo Chief Executive Officer



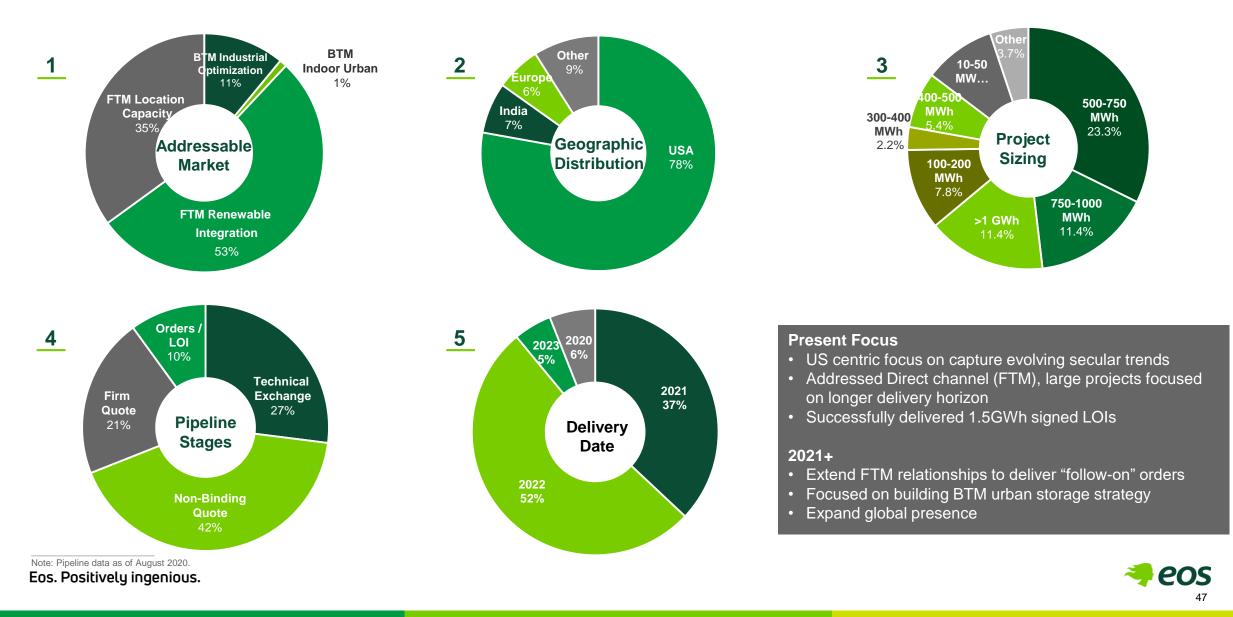
Eos Growth Gameboard

	Front of the Meter: Renewable Load-Shifting	Front of the Meter: Locational Capacity	Behind the Meter: Industrial Optimization	Behind the Meter: Indoor Urban 6 to 12 Months	
Sales Cycle	12 to 24 months	18 to 24 months	6 to 12 Months		
Avg Project Size / \$ Value	 ~100-150 MWh \$10m - 40m 	 ~150-200 MWh \$10m - 50m 	 ~8-10 MWh \$1m - 4m 	 ~4-5 MWh \$1m - 2m 	
Illustrative Partner	Ingeteam	ConEdison	global business solutions	ECM 變	
Process	 Develop strategic relationship Detailed deal economics RFP/Direct Negotiation 	 Develop strategic relationship Detailed deal economics RFP/Direct Negotiation 	 End user/channel partner relationship Economics driven Not RFP driven 	Safety and limited risk paramount	
Current Pipeline Opportunity ¹	• 7,830 MWh	• 4,200 MWh	• 1,740 MWh	• 730 MWh	
		Hecate Energy			
Existing and Potential Customers		Origis Energy		VORNADO REALTY TRUST	
(1) Based on management's estimate		Carson Cogeneration Company, LP	Shell	Capital	

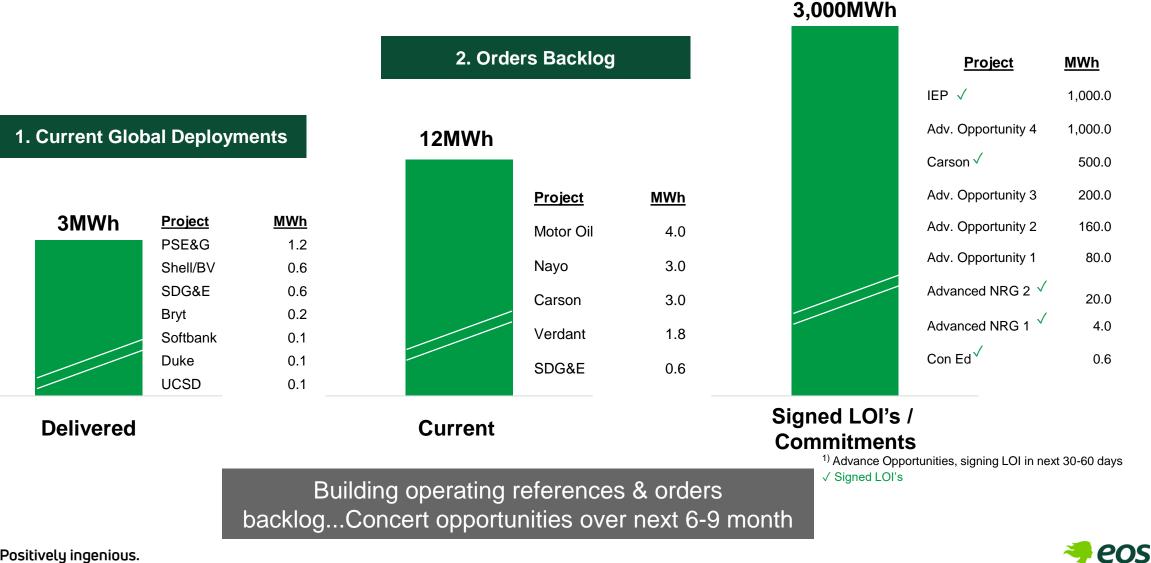
(1) Based on management's estimates. Eos. Positively ingenious.

14.5 GWh Actively Managed Orders & Pipeline

130+ potential clients engaged addressing short-term and medium-term priorities



Pipeline Execution



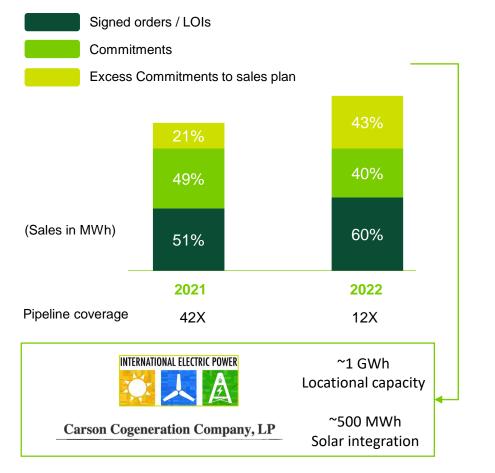
Eos. Positively ingenious.

3. Customer Commitments

Sales Execution

Sales Volume (Shipments in MWh)

Eos's booked orders, LOIs and advanced opportunities of 3GWh providing ample of next two years sale targets

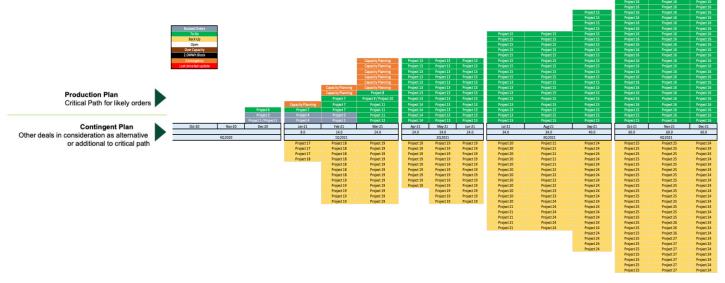


Aligning Manufacturing & Maintaining Shipments in Line with Orders

Eos's operational and manufacturing team is working closely with sales personnel to accommodate customer orders and maintain timely shipment and delivery schedule

Building capacity in-line with pipeline expected delivery and commissioning:

- 3-month lead time for long lead direct materials / 6-month lead time for long lead CapEx
- Leverage deferred sales for safety stock/business continuity planning
- · Will reassess capacity planning based on 4Q/1Q progress on pipeline



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Financial Overview



Sagar C. Kurada Chief Financial Officer



Applications Generate Multiple Revenue Streams





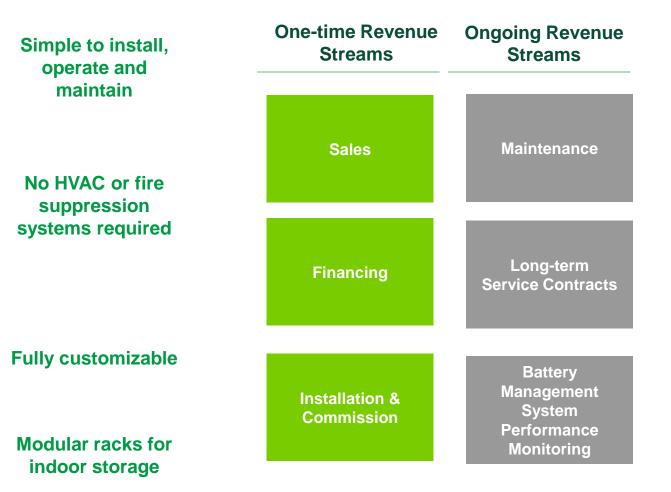
Containerized Power House



Energy Block



Indoor Urban



Eos. Positively ingenious.

Behind the

Meter

Applications



Projected Income Statement

\$ <i>m</i>	2020	2021	2022	2023	I 2024 Base	2024 Growth
Sales Volume (MWh)	13	260	1,511	4,620	6,786	11,654
% growth		-	481.9%	205.7%	46.9%	152.2%
Total revenue	2.5	50.3	268.6	735.5	994.9	1,700.4
% growth	-	-	434.2%	173.8%	35.3%	131.2%
% market share	0.1%	0.9%	3.5%	7.1%	8.7%	14.9%
Total COGS	7.2	63.4	240.9	603.0	745.9	1,279.8
Gross profit	(4.7)	(13.1)	27.7	132.4	249.0	425.1
% gross margin	NM	NM	10.3%	18.0%	25.0%	25.0%
R&D	3.3	10.9	14.9	30.0	42.0	42.0
Other opex	5.3	9.9	18.8	58.2	72.8	100.6
Total opex	8.6	20.8	33.7	88.3	114.8	142.6
Income from JV	(0.8)	2.0	13.0	14.8	15.0	15.1
Adjusted EBITDA	(14.1)	(32.0)	7.0	58.8	149.2	297.6
% margin	NM	NM	2.6%	8.0%	15.0%	17.5%
Maintenance CapEx	0.1	0.5	1.5	3.5	4.1	6.5
% of revenue	4.0%	1.0%	0.6%	0.5%	0.4%	0.4%
Growth CapEx	5.1	9.9	71.2	31.0	4.0	16.0
% of revenue	205%	20%	27%	4%	0.4%	0.9%

Revenue

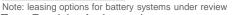
- Current asset pricing assumes a 10% annual price reduction, in line with BNEF forecast
- 88% of revenues represent sales of Eos Systems
- Ongoing revenue from current asset sales expected to grow as Eos footprint and installed base in market increases

Gross Margin rate

- Profitable in 1Q'22 with less than 3% market share captured
- Volume leverage, Technology roadmap and In-sourcing drive ongoing-productivity
- DC unit costs assumed to reach ~\$100/kWh by 2023+

Capital Expenditure

- \$97m invested in 3 manufacturing plants by 2024 / 7GWh annual production capacity
- Low investment risk given short investment lead time of <1year
- CAPEX Plan includes additional \$34m to support all cost out actions and manufacturing productivity





Positioned to succeed

- Energy storage an exponential growth opportunity ... a small share = a large company
- Storage shifting from frequency regulation (short duration) to firm capacity (long duration)
 ... From <2 to >4 hours driven by solar penetration
- Grid resiliency (extreme weather) requires improved safety and reliability ... non-flammable, non-toxic & fully recyclable
- Success requires a robust technology, low-cost product and scalable supply chain ...
 Experienced leadership in place

A strong team with clear priorities focused on delivering





Eos Energy Storage

Investor Presentation

October 2020

