



TM

ENERGY PLUG

SECURE EVERY ELECTRON

Investor Presentation

Q3 2024

CSE: PLUG

OTCQB: PLGGF

FSE: 6GQ

Johnson
Controls



SIEMENS



Malahat



WALES
MCLELLAND
CONSTRUCTION



ENERGY
STORAGE
CANADA

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This presentation contains forward-looking statements and information that relate to Energy Plug Technologies Corp. (together with its affiliates, "**Energy Plug**" or the "**Company**"). Statements which are not purely historical are forward-looking statements and include any statements regarding beliefs, plans, outlook, expectations or intentions regarding the future including words or phrases such as "anticipate," "objective," "may," "will," "might," "should," "could," "can," "intend," "expect," "believe," "estimate," "predict," "potential," "plan," "is designed to", "project", "continue" or similar expressions suggest future outcomes or the negative thereof or similar variations. Forward-looking statements may include, among other things, statements about: our business strategy; our strategic partnerships, including the proposed partnership with the Malahat Nation; estimate of potential earnings; the construction and operation of a gigafactory with Malahat Nation; regulatory approvals; our expectations regarding our expenses, sales and operations; our future customer concentration; our anticipated cash needs; estimates regarding our capital requirements; our need for additional financing; our ability to anticipate the future needs of our customers; our plans for future products; our future growth strategy and growth rate; protection of our intellectual property; and anticipated trends and challenges in the markets in which we operate. The forward-looking statements have been prepared by our management to provide an outlook of our activities and results and may not be appropriate for other purposes. Our management believes that the forward-looking statements have been prepared on a reasonable basis, reflecting management's best estimates and judgments. An investor should read this presentation with the understanding that our actual future results may be materially different from what we expect. Such statements and information are based on numerous assumptions regarding present and future business strategies and the environment in which Energy Plug will operate in the future. Although Energy Plug believes that the assumptions underlying these statements are reasonable, they may prove to be incorrect. Given these risks, uncertainties and assumptions, you should not place undue reliance on these forward-looking statements. The securities of Energy Plug are considered highly speculative due to the nature of Energy Plug's business.

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The Electricity **Crunch** is Here

Investment in The Grid and storage is hitting record levels

- U.S. Businesses lose **\$150B** a year from blackouts
- **Blackouts 10X** more common than in the **80's**
- **\$24T in** energy infrastructure investments needed by 2050
- Stratospheric power demand from A.I., EVs, Data Centers

<https://www.japantimes.co.jp/environment/2024/07/15/energy/world-power-grids-planet-warms/>
<https://www.qualitrolcorp.com/resource-library/blog/what-are-the-true-costs-of-power-outages/>
<https://www.wartsila.com/insights/article/blackout-economics>

Securing Energy is The Solution one **pack** at a time

Energy Plug *Re-thinks* storage and infrastructure with batteries

Modular 5 kWh Battery Pack **Battery Energy Storage System (BESS)**



- Capture and store energy from all sources—hydro, solar, wind, generator
- Industry-leading Data Centre Compliance
- Ultra-low maintenance
- Easily tailored and installed for land with sea planned for 2025
- Energy capture for utilization during any demand scenario
- Seamless integration with existing infrastructure
- 99.99 percent reliability

Energy Plugs BreakThrough Design

Energy Plug *Re-thinks* storage and infrastructure with batteries



Energy Pole

20 kWh (P-BESS)

Features

- Utility Designed Pole Mounted 20 kWh battery
- Durability: -40 to +55 degrees Celsius
- Lowers significant infrastructure costs for Rural & Remote communities
- Decentralized Energy means more Energy Security black outs, stability, and emergencies



Battery Type	LiFePO ₄
Total Power	20 kWh
Cycles	6000 - 8000
Output Power	10KWh
Output Voltage	240VAC
Size	1205mm (h) x 900mm (d)
Weight	240 KG
Uses	Arbitrage, Load-Leveling, Peak-Shaving, Black-Out Deferral

Energy Plugs BreakThrough Products

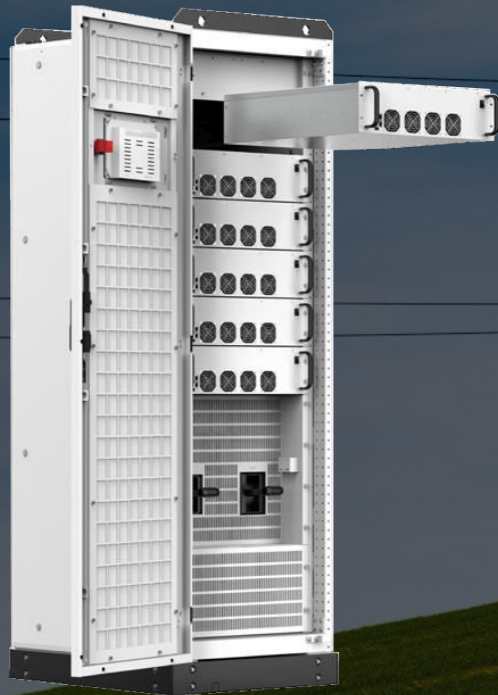
Energy Plug *Re-thinks* storage and infrastructure with batteries



Commercial

70 kWh - 500 kWh (C-BESS)

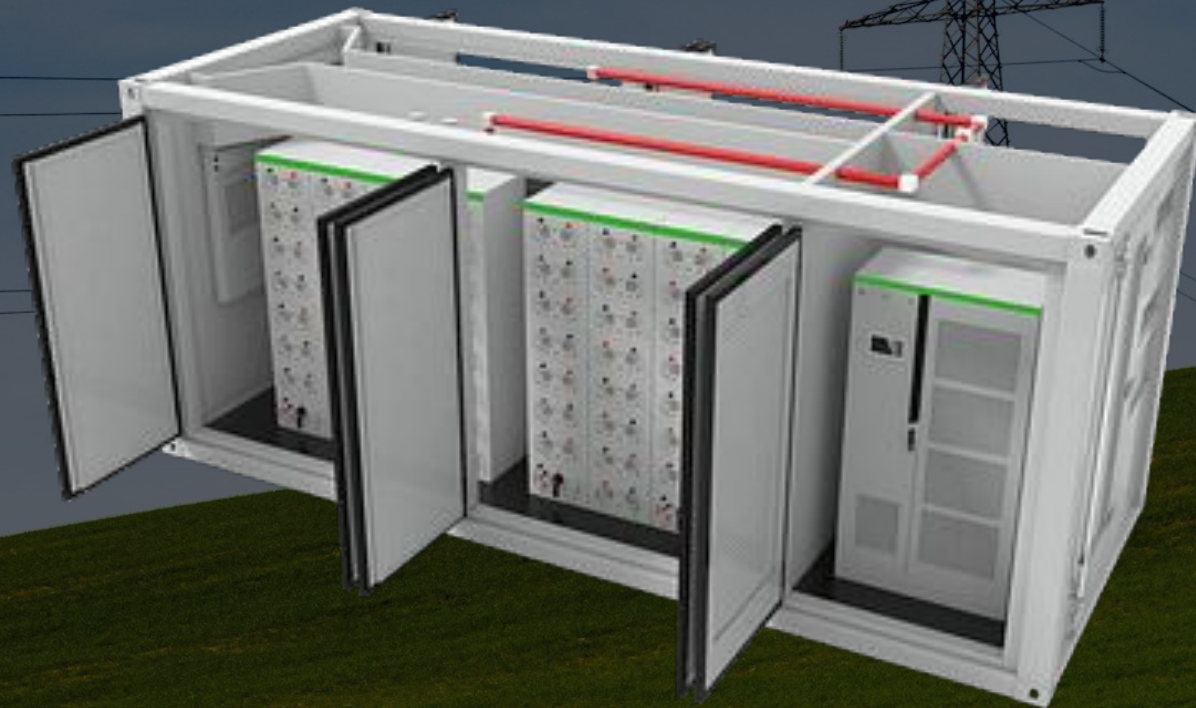
The Commercial unit is a stand-alone ground mounted battery system that can operate on its own or in conjunction with a generator.



Industrial

2 MWh - 50 MWh (I-BESS)

The Industrial unit is a stand-alone 2 MWh battery pack that can operate on its own or can be the base building block of systems up to 50 MWh.



Energy Plugs BreakThrough Products

Energy Plug *Re-thinks* storage and infrastructure with batteries

Residential

10 kWh - 20 kWh

Energy Plug's residential energy storage solution is designed to empower homeowners with the ability to manage energy more efficiently, reduce costs, and support a sustainable future.

This innovative system not only enhances grid stability but also provides reliable backup power for uninterrupted service during outages, aligning with the evolving needs of a resilient energy ecosystem.



Battery Type	LiFePO ₄
Total Power	10kWh Discharge / 8kWh Charge
Max Input Voltage	190V to 240V
Output Voltage Range	120/240 VAC
Output Frequency	50-60 Hz
Cycle Life	6000 cycles
Size (mm)	1010 (w) x 760 (l) x 100 (h)

Proprietary **Battery Packs** — Ready Today



- **Enwind Power** — our proven design and engineering partner in Taiwan
- **Co-developed battery standard, UL 1974**
 - **Certified technology** now in use globally
 - Data Centre **compliant** batteries
 - Reliable on-time manufacturing
 - **Trusted** by global brands
 - Enwind Power and Energy Plug untied in **IP** partnership

Certifications

UL 1973 - Safety standard for battery energy storage systems
UL 60730 - Standard for Automatic Electrical Control
UL 916 - Standard for Energy Management Equipment
UL 62619 - Standard for lithium -ion batteries.
UL 9540 *Pending* - Standard for Energy Storage Systems



World **Demand** for **Energy Infrastructure** & **Battery Storage** is Stratospheric

\$546B — Total North American energy storage market by 2035

AI & Data Centers
\$132B by 2032

Power & Utilities
\$170B by 2030

Commercial & Industrial
\$125B by 2032

A.I. energy usage to increase by 8,000 per cent by 2030 (652 TWh)

<https://longportapp.com/en/news/208349688>
<https://www.japantimes.co.jp/environment/2024/07/15/energy/world-power-grids-planet-warms/>
<https://www.qualitrolcorp.com/resource-library/blog/what-are-the-true-costs-of-power-outages/>
<https://www.wartsila.com/insights/article/blackout-economics>

Sales *Pipeline*

\$1.07 billion @ August 13, 2024

- Commercial & Industrial - 87%
- Marine - 7 %
- Utility - 5%
- Residential - 1%



*The Issuer's sales pipeline is defined as the total forecasted dollar amount of those future projects that the Issuer has either contacted or has been contacted by renewable developers, engineering firms, owners, or contractors for consultative assistance (which could include BESS), a quote, or both. The sales pipeline does not include the dollar value of contracted sales; or the dollar value of sales, where volumes have not been determined by the team; or the dollar value of sales that have been lost for various reasons, including that the proposed project has been cancelled, lost to an alternative product or lost to a competitor. The sales pipeline is updated when changes in the status of a project becomes known to the Issuer. The Issuer maintains a pipeline of prospective projects that it updates regularly based on quote activity to ensure that it is reflective of active sales opportunities that can convert into orders within approximately a rolling 24-month time horizon (Sales Pipeline, i.e. known sales opportunities).

On August 13, 2024, the Sales Pipeline was valued at over \$1 billion. Not all of these potential projects will proceed or proceed within the expected timeframe and not all of the projects that do proceed will be awarded to the Issuer. Additions to the amount in the Sales Pipeline come from situations where the Issuer provides a quote on a prospective project and reductions in the Sales Pipeline arise when a prospective opportunity is lost to a competitor, does not proceed or is converted to Energy Plug's active order book Sales Order Backlog.

The Issuer estimates of qualified prospective projects based on quote activity that could convert into orders within approximately 24 months, which is referred to as the Sales Pipeline, are estimates only and should be evaluated by investors in this context. These estimates represent management's expectations as to the possible prospective market amount and there can be no assurance that management's expectations are an accurate assessment of the number of active sales opportunities that may be converted into sales orders to become part of the Issuer's active order book (and are added to the Sales Order Backlog). There can be no assurance that these potential projects will proceed or proceed within the expected timeframe or at the anticipated value. In addition, it is anticipated that the Issuer will be successful in securing only a portion of the estimated available projects from the Sales Pipeline. Specifically, it is anticipated that not all of these sales opportunities will be available to the Issuer, that the Issuer's prospective customers may fail to secure required financing or permitting approvals, or that the Issuer may determine not to pursue certain opportunities or, if pursued, that these opportunities may not result in biogas upgrading contracts being awarded to the Issuer.

The Issuer acknowledges that the terms & Sales Pipeline & Sales Order Backlog are non-GAAP measures pursuant to National Instrument 52-112 – Non-GAAP and Other Financial Measures Disclosure, and to the extent such terms appear in the Issuer's public record moving forward, the disclosure required by NI 52-112 will be provided.

Exceptional **Partners** & Projects

Growth through *indigenous* partnerships



PARTNERS

- Siemens Canada - Technology Partner
- Johnson Controls - System Integration Partner
- BC Hydro - Joint developer Energy Pole for utilities
- Hydro One - Approved Battery Vendor
- Enwind Power - Global leader in UL Batteries
- METAENERGY - Taiwan's leading Grid Mgmt. SW
- GUS Tech - world leader in Lithium Titanium Oxide

PROJECTS

- Malahat Gigafactory, world's first indigenous-led battery Gigafactory
- BC Hydro 20 kWh Energy Pole Pilot
- Ximen Mining 20 kWh Battery Generator program for, reducing GHGs, operational costs and black-out resiliency
- Power Touch Data Centres, utilization of excess power in Energy Plug Batteries for ASUS AI global server network
- Elastic Energy - Battery Pack Partnership for 10 kWh Residential Batteries

SIEMENS

Johnson
Controls



BC Hydro



Gigafactory Partnership

Malahat Battery Technologies



General Partnership Between Malahat Nation and Energy Plug

Estimated Cost: \$57M

Potential Capital Partners (MOU's): \$32M

Government Potential: \$26M

Overview:

- Manufacturing LFP battery storage products
- 56,000 Sq Ft Building
- 5kWh packs
- Targeted 1GWH of annual production
- Targeted opening Q4 2025
- 210+ direct jobs

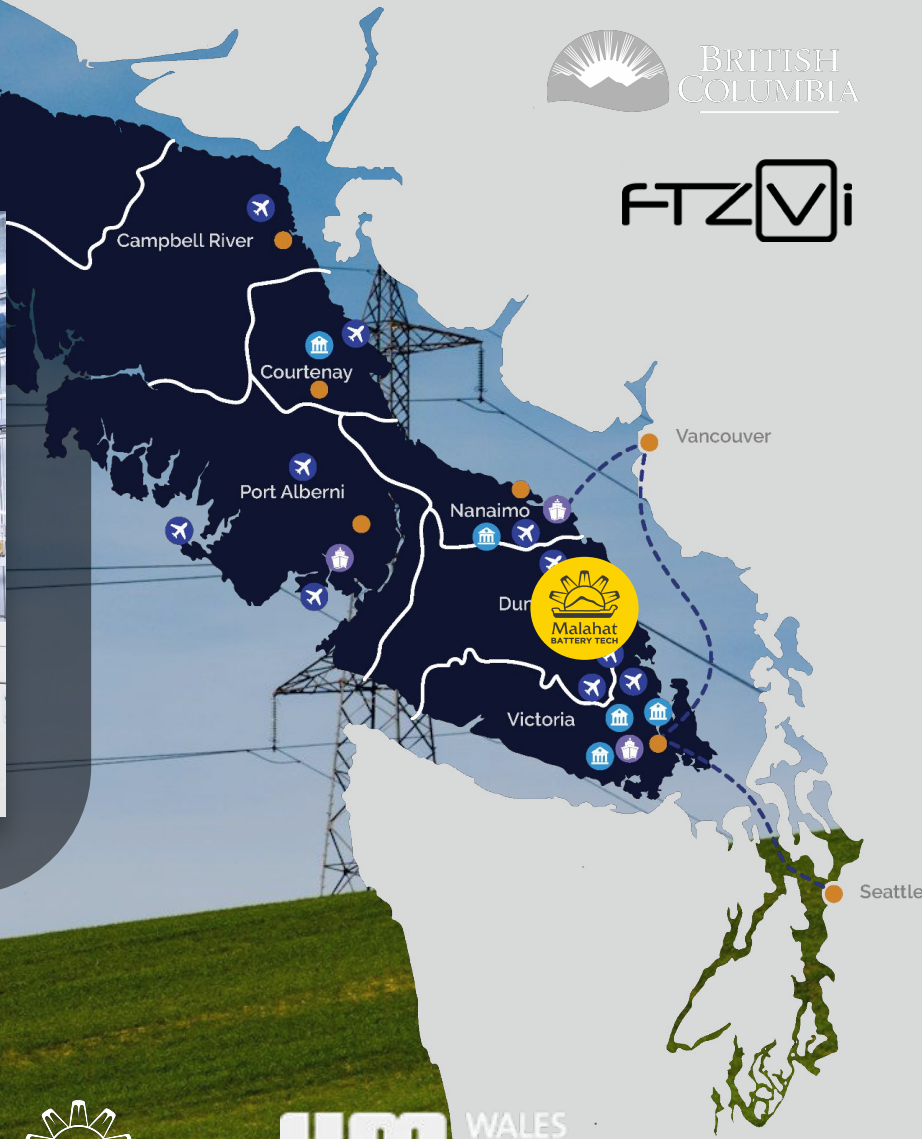


We're Building The World's First **Gigafactory** — It's Just a Start

Indigenous-led

Indigenous Partnership Advantages:

- Mandatory 5% Indigenous procurement in all Canadian Government contracts
- Fast-tracking of permits
- Strategic energy partnerships
- Indigenous community impact
- Reconciliation



<https://news.gov.bc.ca/releases/2024EML10018-000470#~:text=Updated%20demand%20forecasts%20filed%20by%20commercial%20and%20industrial%20customer%20base>
<https://energycentral.com/cum/here-are-151-canadian-electric-utilities>
<https://www.sac-isc.gc.ca/eng/1691786841904/1691786863431>
<https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/enabling-renewable-energy-with-battery-energy-storage-systems>
<https://www.canada.ca/en/public-services-procurement/corporate/stories/businesses-government.html>





Gigafactory Timeline

Malahat Battery Technologies

Battery Manufacturing

Canadian-based manufacturing aiding the transition to grid stability and resiliency.

Q3/Q4 2024

- Official Indigenous blessing with partners
- Construction Begins
- Final Capital Partners
- Cell Partnerships
- Government Support

Q4 2025

- Projected opening of Gigafactory
- Initial production begins
- First product delivered
- Projected 210+ Jobs at capacity

*Gigafactory Financial Pro Forma represents forecasted revenues for the Gigafactory only.
 **Any revenues for Energy Management, or any other product sales for 2024 & 2025 are not reflected in the Gigafactory Financial Pro Forma.
 ***Pricing per MWh of LFP Batteries is reflective of a US\$300k/ MWh price point.

Estimated Gigafactory Project Costs		
Year	Costs	Contingency
2024	\$8,500,000	\$8,000,000
2025	\$40,500,000	
Gigafactory Operations		
Year	Estimated Gross	Estimated EBITDA
2026	\$109M	\$4.4M
2027	\$366M	\$50M
2028	\$635M	\$98M



We **Monetize** by 'Securing Every Electron' (SEE)

Reliable and Scalable Revenue Streams

- Global licensing of certified battery Products means sales and manufacturing of high margin, low maintenance batteries
- Proprietary energy management software allows for power arbitrage, grid management and peak shaving
- Global licensing of energy management and battery Management software means recurring revenue



- Data collection
- Power arbitrage
- Store & sell kWh
- Commercial, industrial, residential
- Data Centre, AI, & crypto mining power sales



Perfectly **Plugged** into The Market

Securing Every Electron

ENERGY STORAGE

FLUENCE

TESLA

Honeywell

EVLO

DUKE ENERGY

Brookfield
Renewable

ENGIE

IBERDROLA
RENOVABLES

INDEPENDENT POWER PRODUCERS

RENEWABLE INFRASTRUCTURE

ENPHASE

shoals

solar edge

GE

SIEMENS

ABB

Johnson
Controls

ENERGY MANAGEMENT



Leadership Team

Manufacturing, Batteries, Energy



Broderick Gunning

*Chief Executive Officer
Board*

Executive leadership roles in energy infrastructure, ev charging, fintech, IOT, manufacturing & investment banking



Shawn Hensen

Gigafactory Lead

Engineering leadership at Tesla and Rivian, deep experience building, leading and growing engineering teams in the Clean-Tech space



Jonathon Redbird

*Indigenous Relations
Board*

Over two decades of corporate and entrepreneurial experience, primarily working for First Nation Governments and Leaders of Corporate Canada



Benjamin Chen

*Product Quality
& Safety*

Joined UL in 2000, served as Commercial Engineering Mgr for Energy Storage Systems & eMobility in Greater China, & co-developed the battery repurposing standard, now UL 1974



Colin Doylend

Corporate Affairs

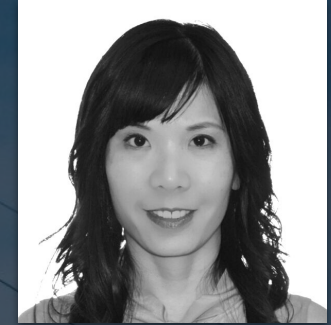
20 years of experience in partnerships and government affairs, implementing over 200 agreements for Indigenous communities, industry, and government



Chris Barnes

Operations Lead

Over 15 years of experience in renewable energy and technology, Chris has led large-scale operations and innovative wind and solar projects totalling nearly 400MWac



Connie Hang CPA, CGA

*Chief Financial Officer
Board*

25 years of experience; senior officer and advisor for various private and public companies across diverse industries, including energy, mining, and technology

FOXCONN

ASUS



TESLA

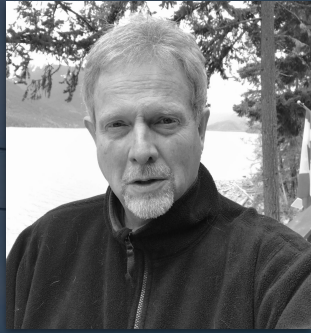


BC Hydro



Advisors & Board

Batteries, Utilities, Media, Power Programs



Neil Simmonds

Battery Chemistry

Co-founder of Corvus Energy & Pioneer in lithium ion batteries, cell production & marine based energy storage



Roman Fontes

Advisor - Utilities

Sr positions with AES, Motorola, & General Dynamics in Large-scale energy infrastructure. Former U.S. Department of Energy for independent power & transmission



Cec Primeau

Advisor - Finance

Former Corvus Energy, Finance and entrepreneurial professional working with top Canadian companies in Battery Storage, Food Services & Clean Tech



Miro Cernetig

Advisor - Brand

Expert in journalism, media relations, and global brand expansion. Increasing company valuation, media exposure and complex political and global environments



Li Doyle

Board - Energy

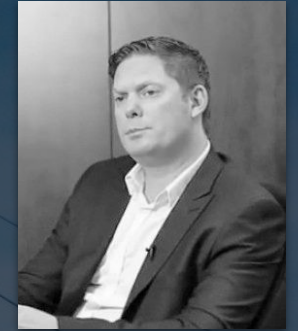
Executive roles in energy storage, renewable, energy trading, and energy transition sectors across the US and overseas



Adam Morand

Board - Manufacturing

Serial entrepreneur and purpose-driven technologist with decades of experience in product development, eSports, financial systems and energy



Paul Dickson

Board - Software

Executive management roles with public companies for 30 years, primarily in the technology sector specializing in SaaS platforms within the Crypto, VPN, Web3, Productivity and IoT space





Want energy security
in a power hungry
world?

Plug us in Today!

Brodie Gunning

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