



P O W E R

ASX:VPR

ANNUAL GENERAL MEETING

May 29, 2023

Corporate & Management



Capital Structure

Shares on issue	10,717M
Options on issue	885M
Market Cap (@ \$0.0015/Share)	\$16.08M
Cash (at 25 May 2023)	\$2.20M
Debt (at 25 May 2023)	\$0.46M
Enterprise Value	\$14.34M

Board



**MR ADAM
BOYD**

Executive Chairman



**MR PAUL
EVERINGHAM**

Non-Executive Director



**MR PETER
TORRE**

Non-Executive Director



**MR SIMON
HIGGINS**

Non-Executive Director

Management



**DAVE
SHARP**

GM, EcoQuip



**GEORGE
DOBSON-BROWN**

Lead Process Engineer



**ADELA
CIUPRYK**

Chief Financial Officer

Volt Power Group Proxy Results



	For		Against		Abstain	
	Votes (M)	%	Votes (M)	%	Votes (M)	%
Resolution 1 – Remuneration Report	2,219.6	93.9	144.8	6.1	1	~
Resolution 2 – Re-election of Mr Peter Torre as a Director	4,375.9	96.8	144.8	3.2	-	-
Resolution 3 – Ratification of the issue of shares	3,149.7	99.9	4.4	0.1	-	-

Disclaimer



Important notices and competent person's statement

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Acceptance

Each recipient of this document is deemed to have accepted the qualifications, limitations and disclaimers contained herein.

FY22 Financial Results



Building foundations for continued revenue growth

Total Revenue

 **\$3.61 M** 6% increase compared to the prior FY21 Full Year Report



The Company received ~**\$0.4 million** of ATO R&D Tax Rebate funding

Adjusted EBITDA

 **24%** compared to the prior FY21 Full Year Report to \$0.9 million

Ordinary Revenue received

 **32%** to \$4.23 million and Total Revenues received of \$4.63 million

Business Overview



Volt Power Group Limited (ASX: VPR) is an industrial technology company that develops and commercialises next-generation mining equipment solutions and ESG focused zero emission energy technologies that present significant, scalable growth potential across industries and global markets



ecoQUIP

The logo for ecoQUIP features the word "ecoQUIP" in a white, sans-serif font. To the right of the text is a white line-art illustration of a mobile light tower on a trailer, with a tall mast and several light fixtures at the top.

Next Generation Mobile Light & Communications Towers



WESCONE

The logo for WESCONE features the word "WESCONE" in a bold, white, sans-serif font. To the right of the text is a white line-art illustration of a large industrial sample crusher with a circular top and a motor on the side.

The Benchmark for Resource Sector Sample Crushers



ATEN

The logo for ATEN features the word "ATEN" in a bold, white, sans-serif font. To the right of the text is a white line-art illustration of a large industrial fan with multiple blades.

Lowest Cost, Zero Emission Baseload Power solution.



HYTEN

The logo for HYTEN features the word "HYTEN" in a bold, white, sans-serif font. To the right of the text is a white line-art illustration of a large industrial fan with multiple blades.

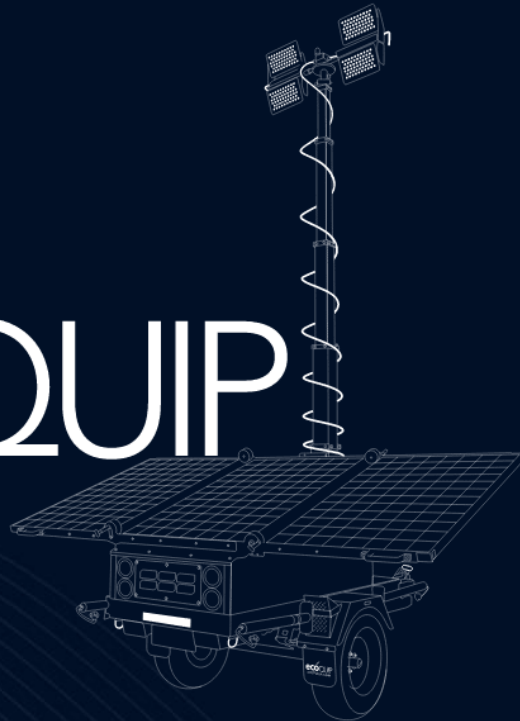
Lowest Cost, Zero Emission Hydrogen solution

ECOQUIP

Value Proposition – Market Leading Performance Reliability



ecoQUIP



EcoQuip is a zero emission Solar/BESS Light and Communications tower OEM. EcoQuip solutions deliver market-leading illumination & power budget, material lifecycle cost savings, military-grade build quality and real-time telemetry & data analytics

EcoQuip products are growth scalable across markets and industries globally

ECOQUIP

The Product – Resource & Construction Sector Ready



The EcoQuip technology platform was developed with US domiciled aerospace electronics, power management, software and illumination experts

The platform breaks new ground on charge / performance efficiency & incorporates active / predictive software capabilities

The platform is deployed in four EcoQuip solutions:

1. **Mobile Solar Light Tower** – power budget & illumination performance to displace diesel fuel traditional solutions
2. **Mobile Solar Communications Tower** – power budget to support 'mission critical' autonomous mining network reinforcement
3. **Mobile Solar Environmental Tower** – remote camera surveillance, movement & noise monitoring / telemetry
4. **Mobile Remote Surveillance Tower** – remote AI camera live satellite surveillance



ECOQUIP

The Product – Developed with US military & software partners



EcoControl

Real-time, cloud-based data telemetry reporting via client portal with remote-control capability via Wi-Fi, 4G & Satellite

Proprietary Solar / BESS Energy storage system

22KWh BESS – Lithium Ferro Phosphate

High Performance Luminaires

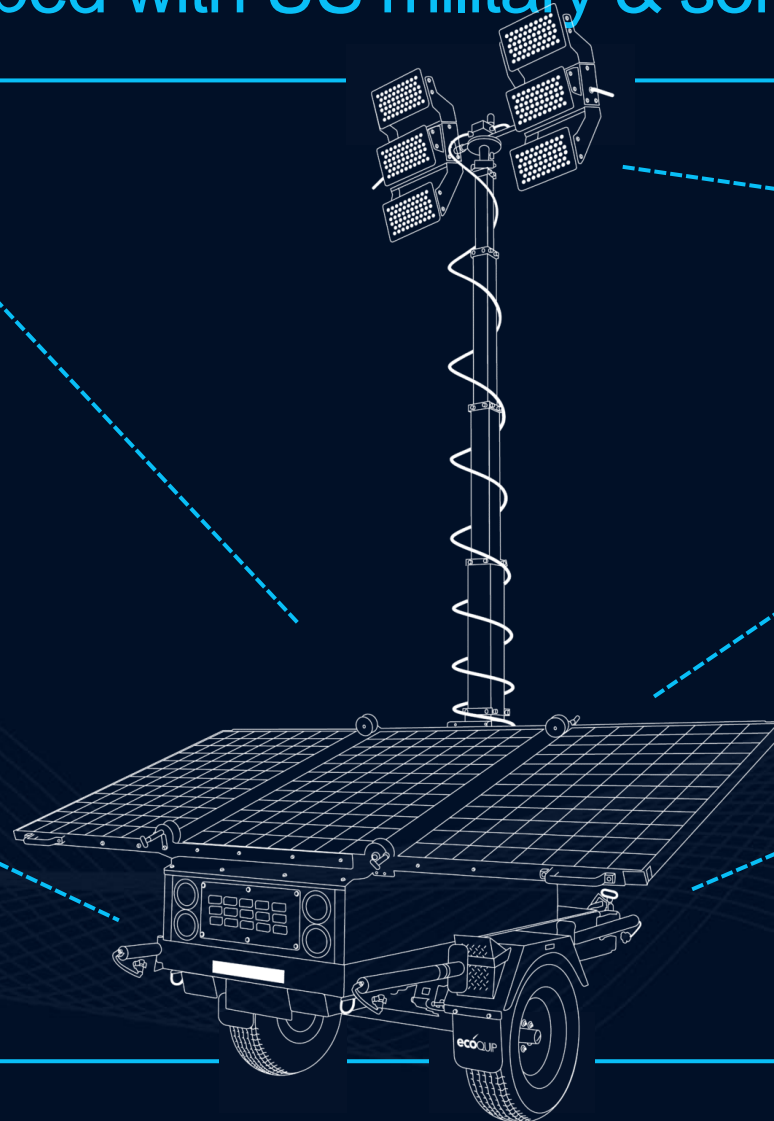
Developed to optimise work area lux footprint & energy efficiency

Military-Grade Fab & Coatings

Built to US military specification quality

Proprietary Power Management Controller

~40% enhanced efficiency with multiple diagnostic capabilities



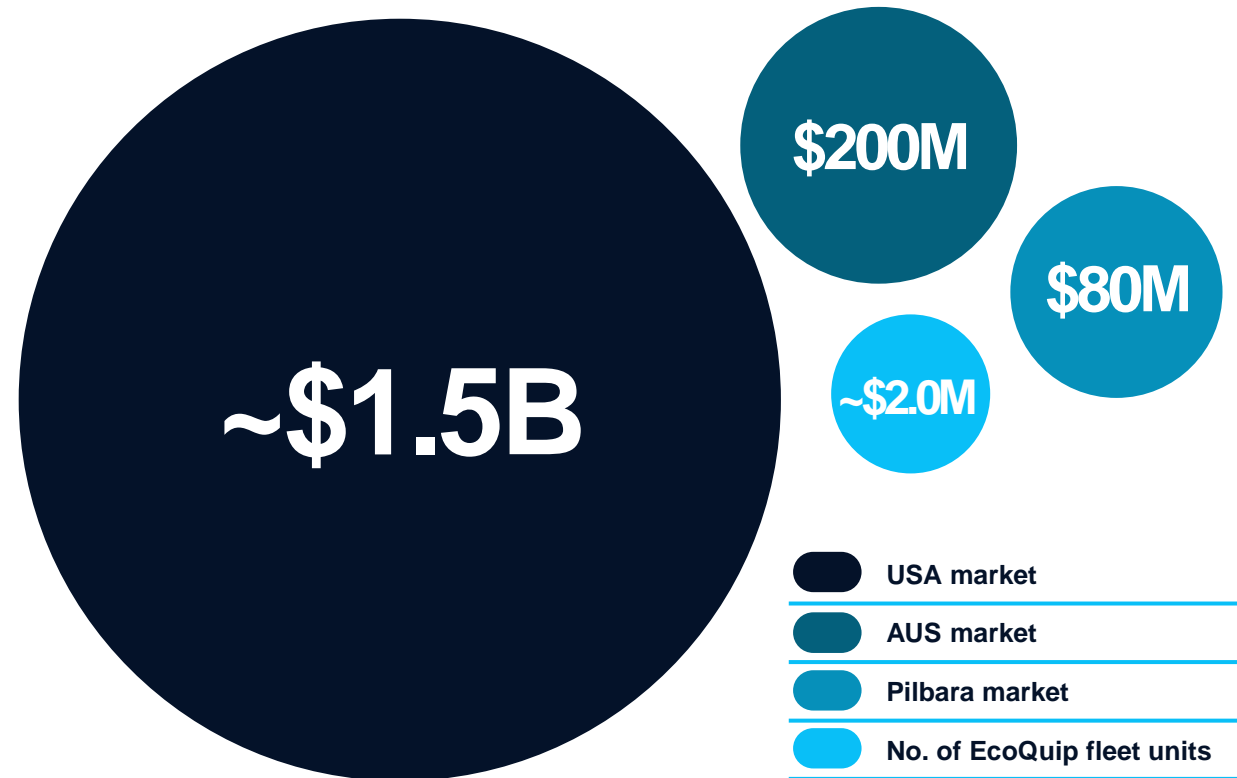
ECOQUIP

Market Opportunity – Aust. Resource Sector & USA



Large potential addressable market with immediate opportunity in WA/Pilbara market.

- **EcoQuip** has ~57 units deployed across Chevron, Thiess, BHP, FFI, Genus and others
- **EcoQuip** run-rate revenue today of ~\$1.25m per annum
- Pilbara market ~3,000¹ light towers - ~\$80m p.a. revenue potential
- Large addressable market in Australia across resources, construction / infrastructure and defence applications
- Significant market opportunity in the southern states of USA
- USA light tower market estimated at \$1.55B²



¹ EcoQuip management estimate

² Light Tower research report by www.researchandmarkets.com

ECOQUIP

FY22 Achievements – Commercialisation / New R&D



- **Product Validation** New hire of 10x Mobile Solar Light Towers (MSLT) under existing 5-Year Hire Agreement at Chevron operated Gorgon project on Barrow Island. Total Barrow deployment now 35x MSLT units

- **Momentum Building** BHP 4x MSLT Demonstration Trial extended to 31 May 2023 – final eval. assessment near completion

- **Resource Sector Interest** Recent MSLT trials at South32 & Albermarle – positive feedback

- **Funding Capability** EcoQuip secured \$3.0 million from Westpac to fund MSLT fleet growth

- **Distributor Interest** EcoQuip progressed MSLT east coast distribution negotiations / multiple party interest



ECOQUIP

2023 Opportunities – Revenue Growth Focus



- Completed two tender responses to displace the diesel fueled light tower fleet of two Tier 1 resource sector businesses

- 12-month BHP trial near conclusion. Potential for scale MSLT deployment subject to formal evaluation conclusions

- Albemarle and South32 demonstration trials – Positive feedback and discussions continuing

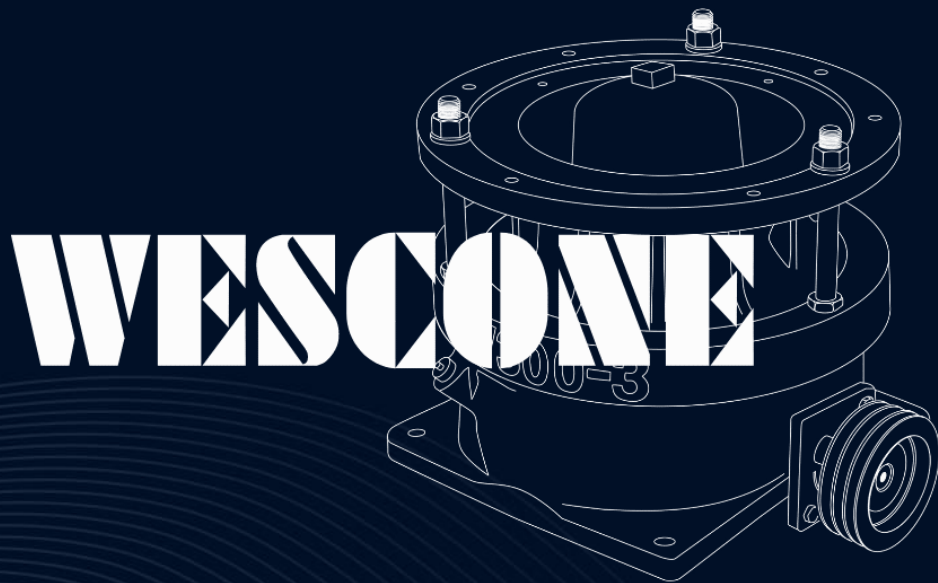
- Multiple R&D projects to enhance technology platform, performance & data analytics competitive advantage:
 - i. Automated electric, logic-controlled mast;
 - ii. Cloud-based Client Portal (including data analytics & pre-emptive notifications); and
 - iii. New 'live' streaming Ai technology trials to optimise **EcoQuip's** mobile surveillance & comms solutions

- Global market and 'roll-out' strategy is advancing (Aust & USA)



WESCONE

Value Proposition – Proprietary Established Capability



Wescone is a high-performance sample crusher OEM. **Wescone** crushers have a market leading reduction ratio of up to 20:1, high / single pass throughput rates, versatile crushing capabilities, robust build quality and efficient service exchange repair solutions

A 25+year history integrated into ISO3082-accredited sample systems. Wescone crushers have an established market presence and global growth opportunities

WESCONE

The Product – Proven Performance & Unique Capability



- **Wescone** manufactures the proprietary W300 sample crusher range for the mining, mineral processing and assay laboratory industries
- The **Wescone** W300 range comprises three alternative sample crushers with unique dimensional feed acceptance capabilities
- **Wescone** has a 25-year track record of supplying the global iron ore industry as an embedded component of ISO3082 accredited sample systems
- **Wescone** sales total 300x W300 crushers across three continents



BHP



GLENCORE



RioTinto

- **Wescone** achieved record crusher sales, service exchange & repair revenues

- Two **Wescone** W300 Series 4 units were installed at the new FMG Iron Bridge Iron Ore Project

- Secured a South African & Eurasian Patent for the **Wescone** W300 Series 4 crusher

- South African Distributor, SPA secured the sale of two **Wescone** W300 crushers (delivered)

- Advanced R&D activities to **enhance durability** and achieve life-cycle extension



- **Wescone** sales revenue and EBITDA is tracking in accordance with FY23 budget

- Financial results trending to achieve record Ordinary Revenue & EBITDA results in FY23 subject to new W300 crusher deployment operational commencement (i.e: Iron Bridge & South Africa)

- The **Wescone** W300 Series 4 crusher secured Eurasian Patent Office confirmation approval. European distribution agent identification commenced

- The **Wescone** W300 Series 4 crusher secured South Africa Patent Office confirmation approval. African deployment of the W300 Series 4 is under consideration

- **Wescone's** South African partner, SPA secured sale of two Wescone W300 crushers to a significant resource sector customer. Positive step for the **Wescone** Africa growth strategy.



ATEN

Value Proposition – Low Cost Zero Emission Base Load Power

A large, stylized graphic of a fan or turbine, composed of concentric circles and radial lines, rendered in a light blue color. The word "ATEN" is overlaid on the left side of this graphic in a large, bold, white, sans-serif font.

ATEN

ATEN is a 'next-generation' waste heat to zero-emission baseload power supply technology that complements renewable hybrid networks to deliver enhanced network stability at a significantly lower CAPEX & LCOE vs solar/wind/BESS installations.

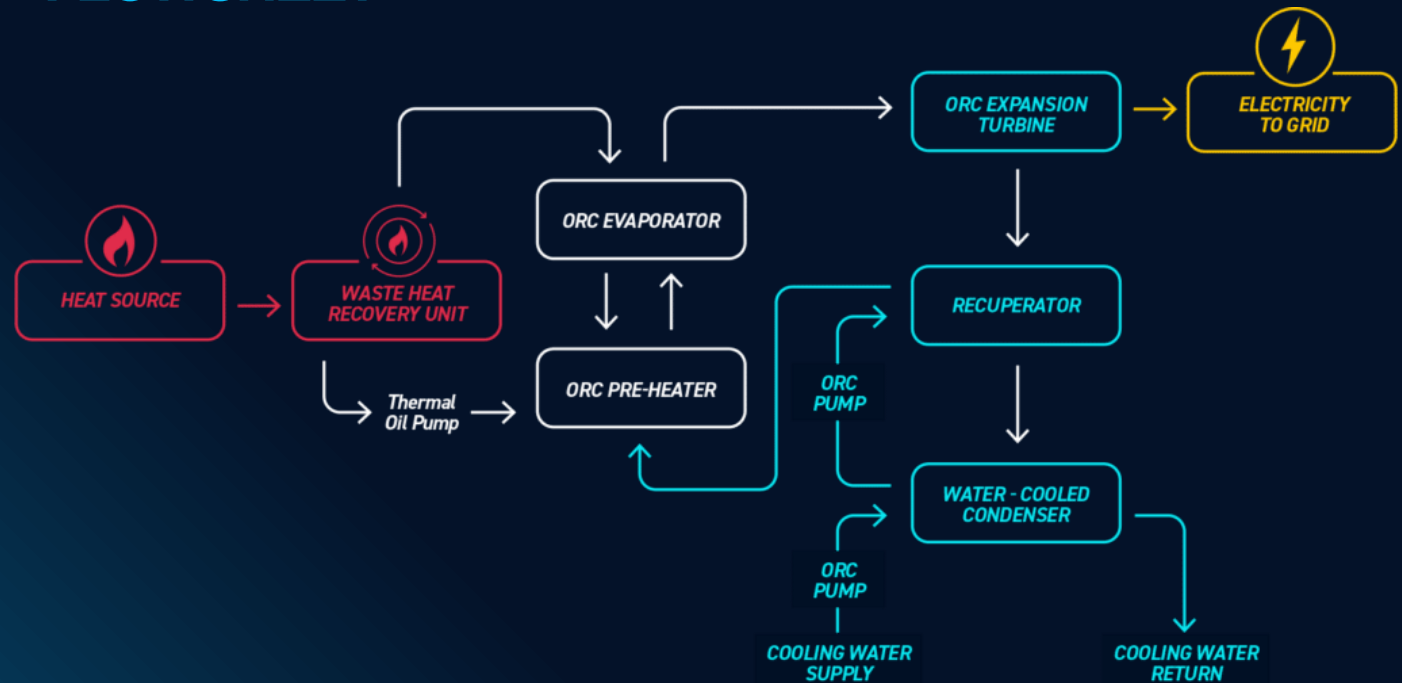
The lowest cost technology pathway to zero emission baseload power

THE ATEN SYSTEM

The **ATEN** System design comprises two primary sub-systems comprising:

1. A waste heat recovery and thermal oil sub-system (Waste Heat Recovery Package); and
2. An organic rankine cycle and power generation sub-system including modular air-cooled or water-cooled condenser (ORC Package)

FLWSHEET



Baseload, zero emission incremental power generation (Scope 1 Emission reduction) compatible with Solar Hybrid systems with high penetration (AIP # 2020202347)

Levelised Cost of Electricity (LCOE)¹ up to ~50% lower than new gas and ~80% lower than new diesel generation

LCOE¹ ~50% lower than Solar/Battery Energy Storage System (BESS) based on an equivalent annual generation performance

CAPEX ~70% lower than Solar / BESS based on an equiv. constant annual generation and zero emission performance

Hydrogen co-firing compatability

Carbon Credits (CFI) Act 2011 Offset Project / ACCU & pending Safeguard Mechanism Credit legislation eligibility

Zero water & operational personnel requirements

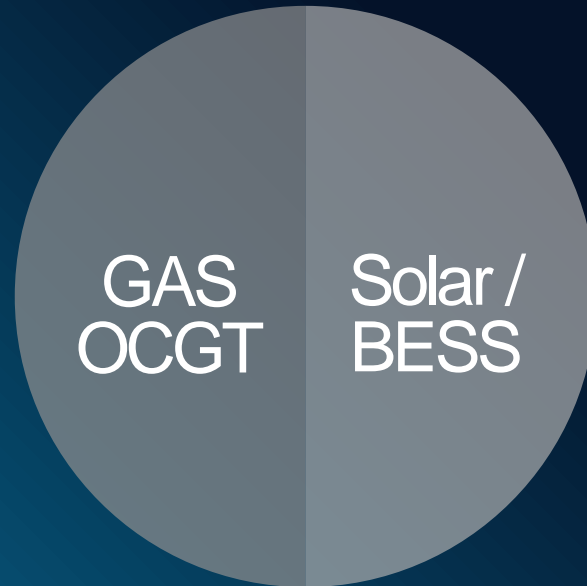
¹ Levelised Cost of Energy (LCOE) is based on new ATEN zero emission capacity CAPEX & operating costs and variable costs of fueled generation (where relevant) in the WA Pilbara region and the ARENA LCOE calculation methodology at an 8% discount rate and 20-year project life including ACCU/SMCs @ A\$25/CC and Solar RECs @A\$35/REC

50% by 2030 Strategy

Network Generator

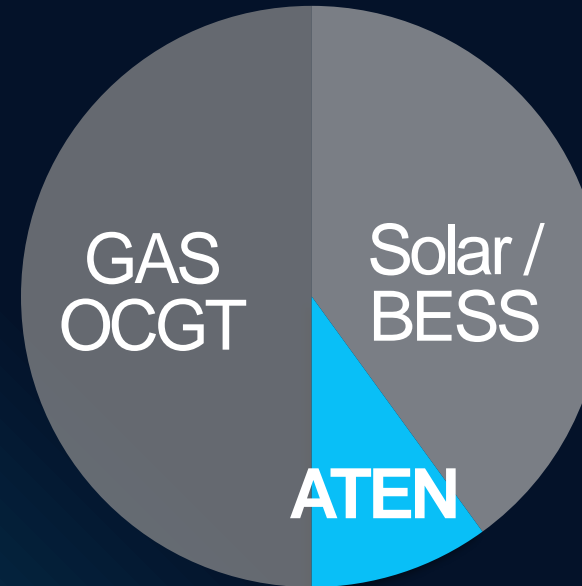
Max / Avg Load
250 / 160

Without ATEN



\$1.0Bn

With ATEN



\$870M

10MW baseload equiv.
ATEN delivers
Stakeholder Net
CAPEX Benefit

\$130M*

~13% CAPEX
Reduction

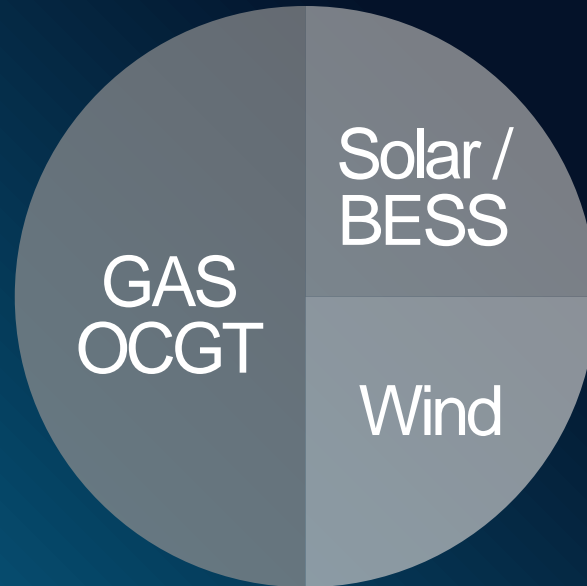
* Based on IRENA, Aurecon & Owner published solar / BESS costs and ATEN pre-feasibility study results

50% by 2030 Strategy

WA Mine Power Gen

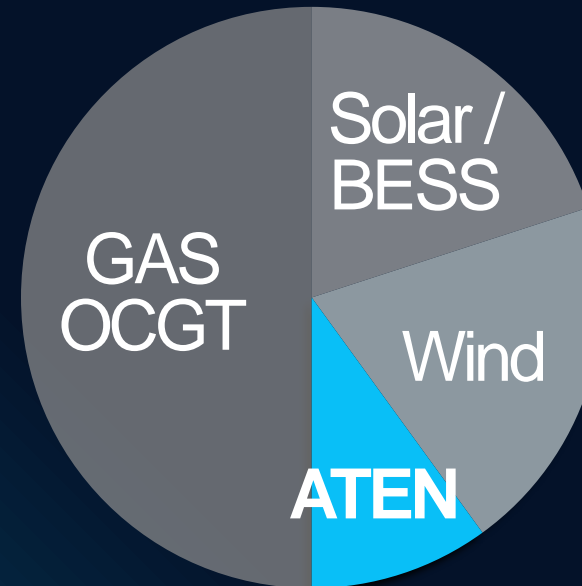
Max / Avg Load
220 / 180

Without ATEN



\$1.2B

With ATEN



\$1.0B

14MW baseload equiv.
ATEN delivers
Stakeholder Net
CAPEX Benefit

\$170M*

~20% CAPEX
Reduction

* Based on IRENA, Aurecon & Owner published solar / BESS costs and ATEN pre-feasibility study results

HYTEN

Value Proposition – Lowest Cost Zero Emission Hydrogen

A large, circular diagram with a complex, multi-layered pattern of dots and lines, resembling a turbine or a complex mechanical structure. The word "HYTEN" is overlaid in large, bold, white letters across the center of the diagram.

HYTEN

The **HYTEN** technology is a proprietary waste heat to hydrogen system that combines Volt's ATEN technology with either solid oxide, PEM or alkaline water electrolyser sub-systems

Low-cost, transitional technology pathway to produce zero emission hydrogen @ LCOH² of US\$2.50 - 4.00/kg without subsidy

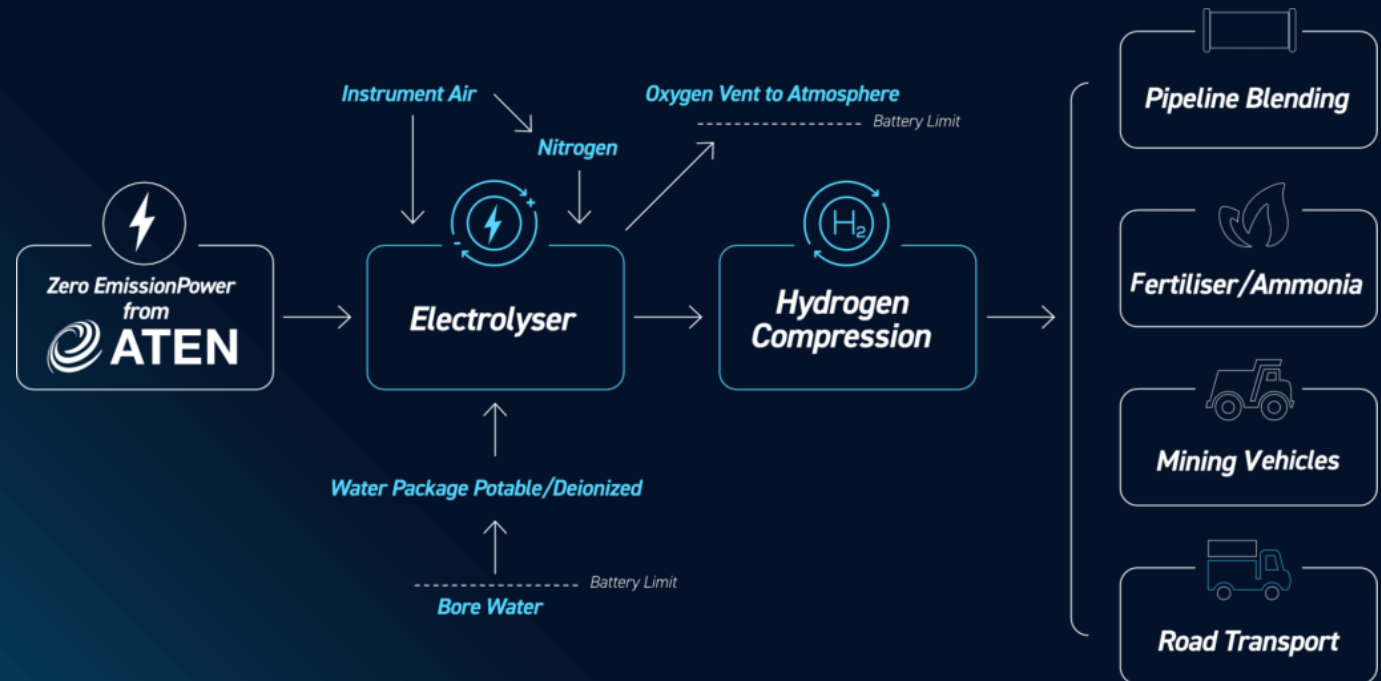
² Levelised Cost of Hydrogen (LCOH) is based on the LCOE methodology at footnote 1 inclusive of OEM supplier & EPC installation pre-feasibility estimates of the CAPEX and OPEX costs of hydrogen production via alkaline water electrolysis in the WA Pilbara region

THE HYTEN SYSTEM

The **HYTEN** System design comprises three proven and well established primary sub-system solutions:

1. The **ATEN** waste heat recovery and thermal oil sub-system (Waste Heat Recovery Package)
2. The **ATEN** organic rankine cycle and power generation sub-system including modular air-cooled or water-cooled condenser (ORC Package)
3. An alkaline water electrolyser and hydrogen separation system (Electrolyser Package)

FLWSHEET



- **HYTEN** waste heat to hydrogen technology secured a positive preliminary international PCT patent application assessment

- Advanced new R&D project innovations associated with our core **ATEN / HYTEN** Waste Heat to Energy technologies

- Advanced engineering development of the **HYTEN** Waste Heat to Zero Emission Hydrogen system, confirming its low-cost Hydrogen production capability

- Lodged **HYTEN** Patent applications in Australia & USA - assessment commenced

- Continued **ATEN/HYTEN** business development & customer engagement in the resources and power generation sectors



ATEN/HYTEN

2023 Opportunities – Customer Buy-in & Feasibility Activity



- **ATEN / HYTEN Project Delivery:** Signed an exclusive 3-Year Waste Heat to Energy EPC alliance with Primero/NRW to pursue and deliver zero emission ATEN/HYTEN Waste Heat to Energy projects

- Continuing to engage with LNG facility & power generation asset owners to convey the significant zero emission & low-cost energy opportunities delivered by **ATEN/HYTEN**

- Undertake formal **ATEN/HYTEN** opportunity and feasibility studies in collaboration with Primero & industrial waste heat resource owners



Investment Case: Volt Power Group

The Right Products in the Right Industries at the Right Time



- **The Right Products** - VOLT Power Group's unique portfolio of patented and award-winning zero-emission products and technologies are tailor-made for the global resources and emission reduction markets, offering high-performance, cost-effective, and sustainable solutions

- **The Right Industries** - Positioned in the high-growth sectors of sustainable mining solutions, zero-emission power generation and hydrogen production, VOLT offers significant, scalable global growth opportunities during the global transition to a net zero economy

- **The Right Time** - The urgency to achieve a 50% reduction in global emissions by 2030 presents a time-critical opportunity for VOLT to meet the immediate demand for sustainable products and technologies by large scale resources and companies

“The conversation with clients has moved away from... 2050 targets. It's moved away from climate alliances. It's moved towards actually putting money to work that will profit from and drive the transition.”

Mark Wiedman, Blackstone's Head of Global Business



VOLT

P O W E R

ASX:VPR

voltagepower.com.au