



ENDLESS
ENERGY GROUP



EMPOWERING GROWTH. BUILDING SUSTAINABLE INFRASTRUCTURE. **CORPORATE PROFILE.**

Established 2010 | ESG Accredited |
Melbourne, Australia

Integrated Energy, Technology &
Circular Economy Infrastructure
Solutions

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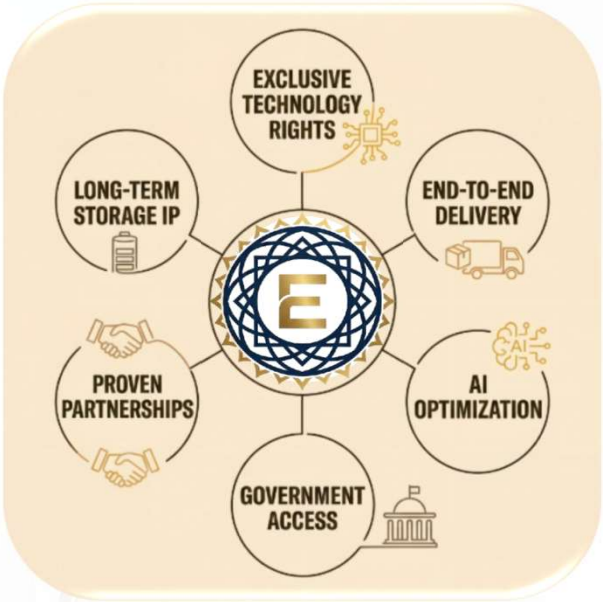
About Endless Energy Group

Over 15 Years of Experience

ABOUT US

Since 2010, Endless Energy Group (EEG) has been a trusted renewable energy consultancy, project development manager, and sustainability advisor based in Melbourne, Australia. We empower commercial, industrial, and government organisations to optimize asset performance, lower running costs, and confidently meet emerging ESG regulatory compliance mandates worldwide.

Endless Energy Group occupies a differentiated market position as a full-spectrum infrastructure integrator - combining exclusive distribution rights, proprietary AI optimization, and sovereign-level commercial access into a single, accountable delivery entity.



Exclusive Technology Rights

Exclusive rights to leading energy storage and optimization technologies

Certified Partnerships

Certified partnerships with global technology principals

Government Access

Direct access to government, defence, and institutional procurement channels

Proven Execution

Proven execution across microgrid, backup, and distributed energy deployments

WHO WE ARE

Not a Reseller. A Strategic Energy Partner.

Endless Energy Group is not a reseller. We are a strategic energy consulting partner - combining exclusive technology rights, deep domain expertise, and end-to-end project capability to deliver mission-critical energy solutions at scale.

Mission

Deliver resilient, intelligent energy infrastructure to optimise client project and ROI potential.

Approach

Technology-agnostic, outcomes-driven, integrating best-in-class systems under a unified commercial model - from first consultation through to long-term performance management.



THE MARKET PROBLEM

Conventional Energy Solutions Are Failing



Grid Fragility

Aging infrastructure and extreme weather create escalating outage risk for critical operations



Cost Volatility

Fossil fuel dependency and market instability drive unpredictable energy costs at enterprise scale



Compliance Pressure

Governments and institutions face mounting decarbonization mandates with no clear execution pathway



Integration Gaps

Fragmented vendor ecosystems deliver point solutions - not integrated, resilient infrastructure systems

Strength in Unity - Endless Energy Group (EEG) Partners

Our partner ecosystem is purpose-built to deliver integrated, end-to-end energy and circular economy solutions at scale. Each partner brings a distinct, complementary capability that amplifies the whole.

Joint Commercial Pipelines

EEG partners leverage our active corporate contracts, project consulting pipelines, and deep government and enterprise networks to access exclusive tenders and projects.

Commercial Expansion

Accelerate growth in regional and international sectors. Our platform provides the structured operational network, local office management, and distribution channels you need.

Unified Marketing & ESG

Showcase end-to-end circular capabilities. Partnering with EEG instantly provides access to circular diagnostics, certified IT protection, and accredited ESG advisory services.

Our Integrated Ecosystem

Three interconnected pillars - each delivering distinct value, unified under the EEG platform for seamless end-to-end delivery.



1

EEG Parent

Leads consulting, project development, business advisory, and ESG compliance management across sectors globally.

2

Zenaji & Plannano

Advanced LTO energy storage technology supplying highly resilient battery cells and systems for critical grid infrastructure.

3

ESRA, Techtegic & Subbies

Completing the cycle with solar recycling systems alongside strategic technology deployment and accredited installers.



Core Solutions & Capabilities



Battery Energy Storage Systems (BESS)

Infrastructure-grade battery storage utilizing Lithium Titanate Oxide (LTO) chemistry engineered for extreme cycle life and non-flammable safety.



AI Energy Optimisation

Intelligent operational software driving real-time consumption mapping, spot-market energy trading, and asset revenue generation.



Renewable Energy Consulting

Comprehensive feasibility evaluations, utility site diagnostics, grid connection configurations, and carbon reduction roadmaps.



Hybrid & Off-Grid Systems

Customized microgrids combining solar, wind, storage, and gen-sets to eliminate diesel reliance in regional, mining, and agricultural zones.



Partner Platform



ADVANCED LTO BATTERY SYSTEMS

Zenaji Battery Technology



We supply and integrate world-leading Lithium Titanate Oxide (LTO) battery energy storage systems through our exclusive alliance with Zenaji.

Designed for demanding commercial, industrial, mining, defense, and utility-scale environments, Zenaji batteries warranty in 22,000 cycles or 20 years (which ever comes first) and will still have 85% DoD left in the battery after that time.

Hence, it will deliver more than **60,000+ cycles**, rapid charge rates, and complete chemical stability without risk of thermal runaway.

Feature	Conventional Li-ion (NMC / LFP / LCO)	Zenaji LTO
🔥 Thermal Runaway Risk	❌ High (fire/explosion possible)	✅ None (no thermal runaway)
🚒 Fire Suppression Required	❌ Yes, extensive systems needed	✅ No external systems required
🧪 Chemical Stability	⚠️ Sensitive to heat & overcharge	✅ Extremely Stable and Safe
🔄 Cycle Life	⚠️ 2,000–7,500 cycles (best case)	✅ 60,000+ cycles
🔋 Depth of Discharge (DoD)	⚠️ 80–90% typical (degrades further over time)	✅ 100% DoD (minimal degradation)
🕒 Calendar Life	⚠️ 5–15 years	✅ 60–160+ years
🌡️ Temperature Tolerance	⚠️ Narrow (15–35°C optimal)	✅ Wide (-40°C to +60°C)
⚙️ Maintenance / Requirements	⚠️ Medium to high	✅ Very low
💡 Cell Warranty	⚠️ ~7-15 years (with limitations)	✅ 20 years or 22,000 cycles
🛡️ Safety in Dense Deployments	⚠️ Limited (spacing/fire barriers required)	✅ Ideal for tight, modular installs
💰 Levelised Cost Of Energy (LCOE)	❌ USD 10 to 15 c/kWh	✅ Much Lower (under USD 3 c/kWh)
♻️ Recyclability / Environmental Impact	⚠️ Complex & toxic materials	✅ Non-toxic, recyclable
🏠 Ideal Use Cases	Consumer electronics, EVs (short lifespan)	✅ Critical infrastructure, data centres, grid, mining, EV charging stations
💵 Total Cost of Ownership (TCO)	⚠️ Lower upfront, higher lifecycle cost	✅ Lower lifecycle cost (longer service, no replacement)
⚡ C-Rate (Charge/Discharge Speed)	⚠️ Limited (typically 0.125 to 1C)	✅ High C-rate (up to 10C+ safely)



60,000+ Cycles

Unmatched operational lifespan

Non-Flammable

Zero thermal runaway risk

Rapid Charge/Discharge Cycles

High C-rate performance

Extreme Temperature Tolerance

-40 to +60 Degrees Celsius

Life-time cost of energy

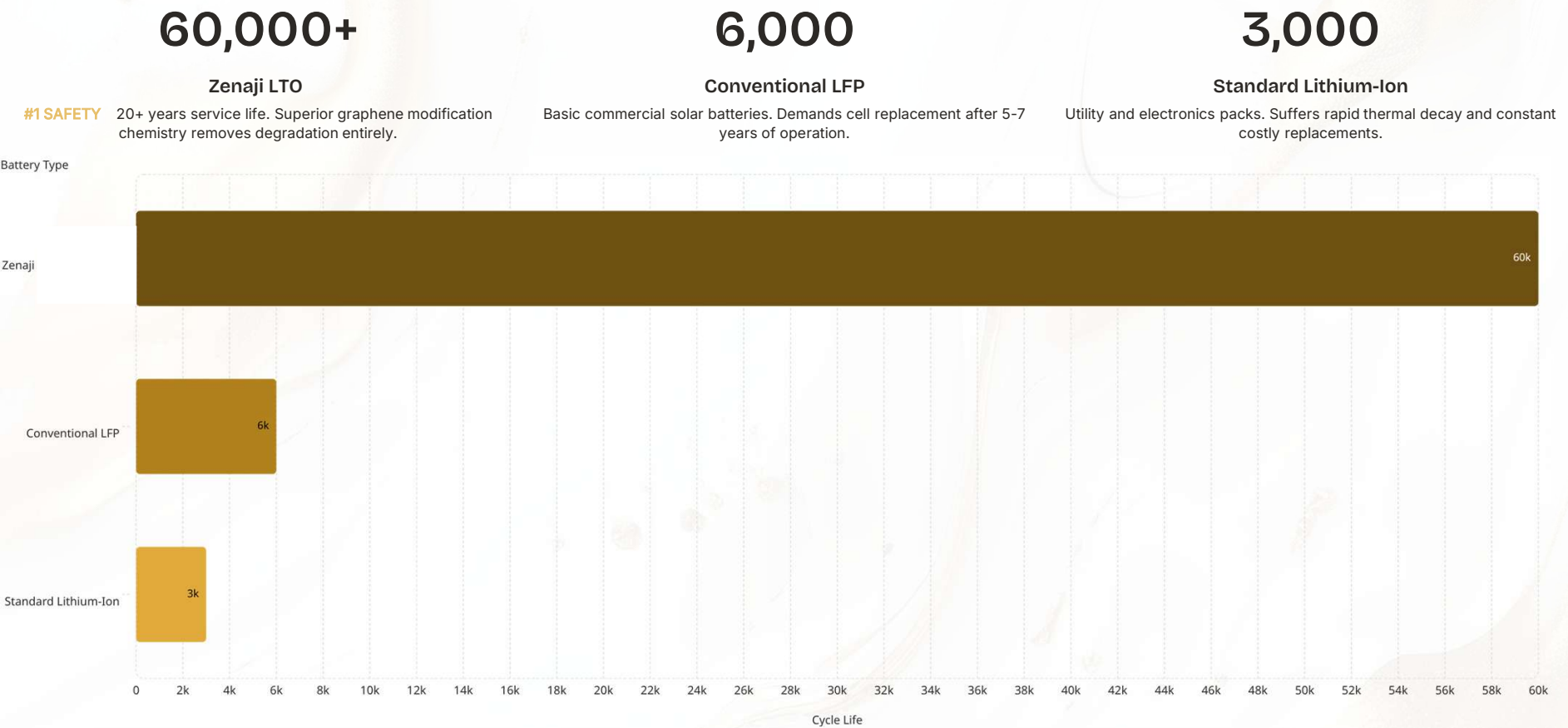
AUD \$0.05c/kWh

Multiple Charge/Discharge Cycles

3+ per day @ 100% Depth of discharge

Operational Lifespan Comparison

The performance gap between LTO and conventional battery chemistries is decisive. Zenaji's LTO technology delivers a generational leap in cycle life, safety, and total cost of ownership.





TIANJIN PLANNANO ALLIANCE

LTO Cells & Storage Partners



World-Class Nanomaterial Science

Founded by Professor Chen Yongsheng of Nankai University, Plannano's proprietary graphene modification solved the LTO industry's persistent high-temperature gas generation problems.

What Plannano Delivers

Plannano's advanced nanomaterials supply access to highly competitive LTO battery cell technology, dry supercapacitors, and scalable BESS systems delivering high cycles with lower production cost than competitors.

- Proprietary graphene-modified LTO cells
- Dry supercapacitor technology
- Scalable BESS systems
- Lower production cost than global competitors

CIRCULAR WASTE MANAGEMENT

Environmental Solar Recycling



As the solar market scales, safe decommissioning is critical. Our circular partner, Environmental Solar Recycling Australia (ESRA), addresses this directly.

Using advanced logistics, ESRA collects and recovers up to **99% of recyclable materials** from decommissioned solar panels, reintegrating them back into the industrial manufacturing chain and fully ensuring ESG compliance.



99% Recovery Rate

Industry-leading material recovery from decommissioned panels

Closed-Loop System

Materials reintegrated into industrial manufacturing chain

ESG Compliant

Full regulatory compliance and certified circular economy credentials

ROOFTOP INSTALLATION NETWORK

Solar Subbies Alliance



To ensure elite delivery on our physical infrastructure targets, Endless Energy Group partners directly with Solar Subbies - Australia's premier solar sub-contracting and compliance platform.



What Solar Subbies Delivers

- Connects qualified local solar installation crews to enterprise systems
- Rigorous safety standards and performance audits
- Robust regional field operations across Australia
- Compliance-first approach to every installation

Techtegic: Infrastructure & Cyber



Infrastructure & Cyber

Through Techtegic Pty Ltd, we deploy military-grade cyber protection, Microsoft 365 migrations, managed cloud infrastructure, and critical network systems. We believe digital systems should run quietly and securely in the background.



Unified Integrations

We build seamless integrations of web-facing corporate platforms, business continuity configurations, structured data cabling, custom operations software, and proactive 24/7 remote site alerts to eliminate critical system downtime.

A Market Primed for Disruption

Australia is one of the world's most dynamic and rapidly evolving energy markets - and EEG is positioned at the epicentre of this transformation.

\$320B

Investment Pipeline

Australia's clean energy investment pipeline through 2030, driven by the national 82% renewables target

82%

Renewables Target

Australia's legislated renewable electricity target by 2030 - creating massive demand for storage and grid solutions

6M+

Solar Rooftops

Australia leads the world in per-capita rooftop solar - driving urgent need for storage, recycling, and grid integration

\$15B

BESS Market

Projected Australian battery energy storage market value by 2030, growing at over 30% CAGR

TARGET GROWTH & DELIVERY

Strategic International Market Entry

10x

Growth Trajectory Target

Up to a 10x top-line growth pathway in regional revenue within Year 1 for international partners entering the Australian and Asia-Pacific markets.

Thinking Outside the Box

Due to our extensive network and 15+ year tenure in the industry, Endless Energy Group has been able to do something truly different. We help offshore technology partners secure a highly credible local presence.

Rather than standard advisory services, we establish structured operations, registered local offices, local marketing networks, and active regulatory liaison. This proactive architecture has directly helped international businesses scale rapidly, driving up to a 10x top-line growth pathway in regional revenue within 12 months.

TECHNOLOGY STACK

Integrated Solutions Portfolio



Zenaji LTO Energy Storage

Long-cycle lithium titanate batteries delivering superior safety, 60,000+ cycle life, and performance in extreme conditions - ideal for critical and remote deployments.



Technology / AI Optimisation

Intelligent energy management using machine learning to optimize dispatch, predict demand, reduce costs, and maximize asset performance across complex distributed systems.



Microgrid & Distributed Energy

Turnkey microgrid design, engineering, deployment, and purpose-built for energy independence, operational resilience, and seamless grid integration.



Data Centre & Critical Infrastructure

High-reliability backup and uninterruptible power systems engineered for data centres, defence facilities, and mission-critical infrastructure requiring zero-downtime performance.



CORE VERTICALS

Who We Serve



Government & Defence

Energy resilience for sovereign facilities, forward operating bases, and critical national infrastructure requiring secure, off-grid capability.



Enterprise & Industrial

Demand management, backup power, and decarbonization solutions for large commercial and industrial energy consumers.



Critical Facilities

Hospitals, data centres, and essential services requiring guaranteed uptime and regulatory-compliant power continuity.



Remote & Resource Sectors

Off-grid and hybrid solutions for mining, agriculture, and resource operations in fuel-dependent, logistically challenging environments.

PROOF POINTS

Deployments & Demonstrated Outcomes

1

Remote Community Microgrid

Delivered a fully integrated solar-plus-storage microgrid for an off-grid community - reducing diesel dependency by over **80%** and delivering 24/7 energy security.

2

Government Facility Resilience

Deployed Zenaji LTO-based backup systems for a sovereign government facility, meeting classified uptime and safety specifications **ahead of schedule**.

3

Enterprise Demand Optimisation

AI platform deployment for a multi-site industrial operator reduced peak demand charges by **32%** and improved grid import efficiency across all facilities.

✓ Endless Energy Group maintains an unbroken delivery record across all contracted infrastructure engagements to date.

The End-to-End Client Advantage

→ One-Stop Consultancy Model

No more fragmented vendor management. We coordinate technology sourcing, physical grid installations, advanced network integrations, and secure digital operations under a single accountable entity.

→ International Presence & Expansion

Streamline Western market entry pipelines. We offer registered local office services, legal liaison, and targeted marketing campaigns targeting 10x growth pathways.

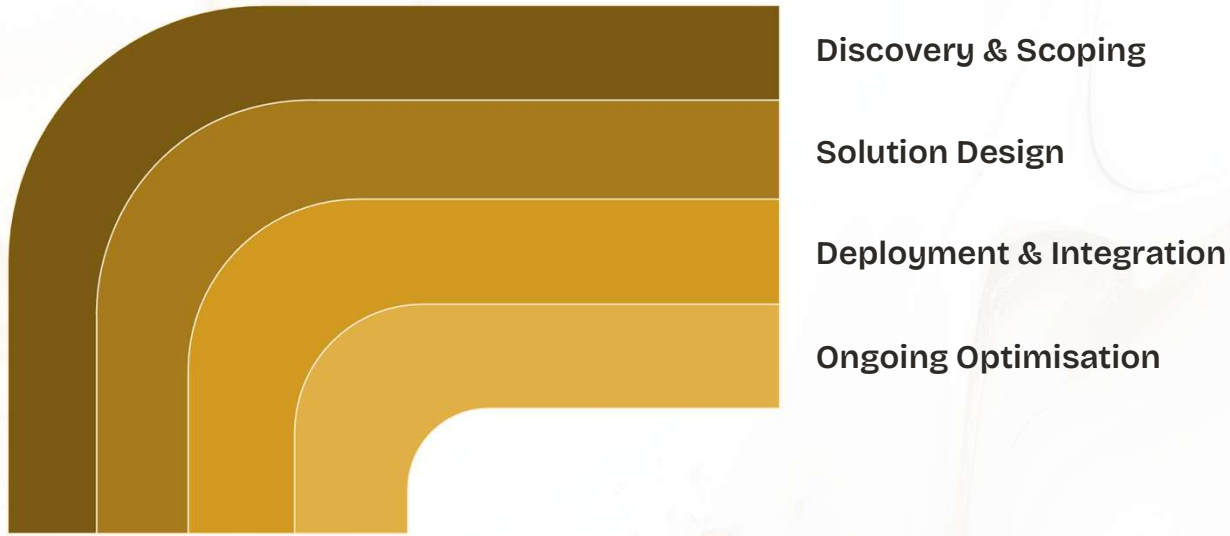
→ Built-In ESG Compliance & Diagnostics

We assist corporate boards and utility operators with proactive emissions reduction, regulatory filings, and closed-loop decommissioning through ESRA.

→ Intelligent Operational Continuity

From grid-scale LTO arrays to real-time AI trading software and round-the-clock remote monitoring, we safeguard mission-critical systems quietly in the background.

How We Work With Partners & Clients



Our structured engagement methodology ensures every project is governed from first consultation through to long-term performance management - reducing risk and accelerating time-to-value.

Direct Procurement

Supply, installation, and commissioning under a fixed-scope infrastructure contract

Energy-as-a-Service

Fully managed infrastructure with performance guarantees and opex-based commercial structures

Strategic Partnership

Joint venture, distribution, or co-delivery arrangements for regional market expansion

LEADERSHIP & PARTNERSHIPS

Experienced Operators. Trusted Networks.

Our ecosystem is led by a senior team with deep expertise spanning energy engineering, infrastructure finance, government procurement, and strategic technology commercialisation. Our leadership holds established relationships across sovereign, institutional, and enterprise sectors.

Engineering Excellence

Systems integration and project delivery expertise across complex, multi-technology deployments

Principal Partnerships

Certified and exclusive relationships with globally recognised technology manufacturers and IP holders

Market Access

Active presence in government, defence, and institutional procurement pipelines across multiple jurisdictions



Positioned to Lead - Australia & Beyond

Australia's energy transition is accelerating at an unprecedented pace. With legislated renewable targets, a world-leading rooftop solar base, and billions in committed infrastructure investment, the conditions for EEG's growth have never been more favourable.



Domestic Dominance

EEG's 15-year track record, government relationships, and exclusive technology rights position us as the go-to integrator for Australia's energy transition - from rooftop solar to utility-scale BESS and microgrids.



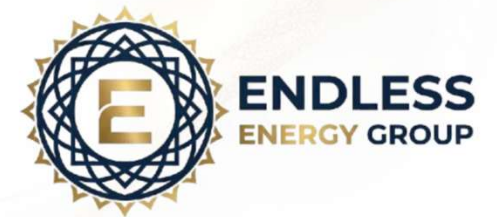
Asia-Pacific Expansion

Our structured market entry model - with registered offices, regulatory liaison, and active distribution networks - is already enabling international technology partners to achieve rapid revenue growth across the Asia-Pacific region.



Ever-Expanding Ecosystem

Each new partner, technology, and project adds compounding value to the EEG platform. Our circular economy model means every engagement strengthens the whole - creating a self-reinforcing growth engine with no ceiling.



Questions?

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