

CEWT

Powering the AI Revolution Sustainably

A circular energy platform for hyperscale AI data centres

Reliable • Resilient • Circular

Clean Energy and Water Technologies Pty Ltd
Melbourne, Australia | July 2026



AI has created a new energy challenge

The bottleneck for next-generation compute is no longer only chips — it is reliable, scalable infrastructure.

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- Grid congestion and connection delays
- High availability requirements for AI workloads
- Rising cooling and water constraints
- Pressure to reduce lifecycle emissions

Key message

AI has become an energy infrastructure challenge, not simply a computing challenge.



AI deployment now depends on energy systems that can deliver power, cooling and resilience at scale.

The opportunity: integrated energy systems

AI campuses can be designed around power, cooling, heat and carbon flows as one system.

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Instead of building larger one-way systems, build smarter circular systems.

Renewable electricity → Hydrogen production

Recycled CO₂ → Methanation

Renewable synthetic gas → Onsite generation

Electricity + cooling + heat → AI data centre

The goal is not only lower-carbon power. It is a resilient energy architecture that supports uninterrupted AI operations.

CRT-Trigen™ : circular energy for AI data centres

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A modular platform combining carbon recycling, synthetic gas and trigeneration.



CO₂ capture → Methanation → Renewable synthetic gas → Power generation → Electricity + cooling + heat → CO₂ capture

Why CRT-Trigen™ matters

The value proposition is resilience, efficiency and circularity — not just electricity supply.

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24/7 resilience

Behind-the-meter generation to reduce exposure to grid constraints.



Integrated cooling

Power and cooling designed together for AI loads.



Heat recovery

Useful heat can improve overall system efficiency.



Circular carbon

Captured CO₂ becomes a reusable carbon carrier.



Hydrogen-ready

Compatible with renewable hydrogen pathways.



Modular scale-up

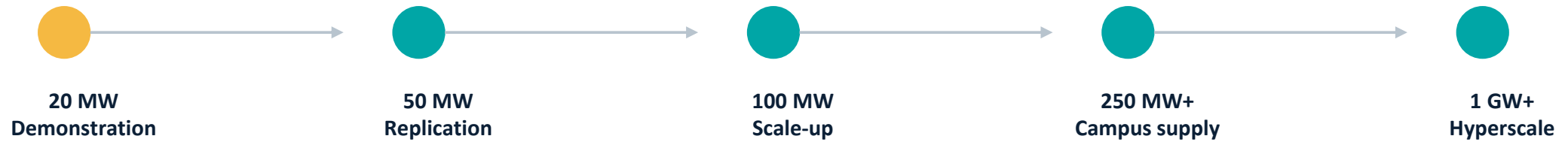
Start at 20 MW, replicate and scale to campus level.

Differentiation: CEWT combines power, fuel, carbon and thermal flows into one integrated platform.

Commercial demonstration road map

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A practical pathway from first deployment to hyperscale campus integration.



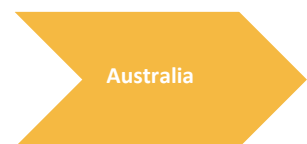
Initial focus: a 20 MW CRT-Trigen demonstration that validates performance, integration and commercial replication.

The market: AI infrastructure is becoming energy-led

Developers and investors will increasingly prioritise secure power, water-aware cooling and fast deployment.

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Strategic regions



AI

New baseload demand

24/7

Reliability requirement

20 MW→1 GW+

Modular deployment pathway

Energy

Competitive advantage

Positioning: CEWT targets the intersection of AI infrastructure, energy resilience, hydrogen, carbon recycling and low-emission industrial development.

Why CEWT now

CEWT has moved from concept development into structured commercialisation.

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- Sep 2025 → Australian provisional patent filed
- 2025–26 → Technology architecture developed
- 2026 → Engagement with technology providers
- 2026 → WA Government submission lodged
- Next → Commercial offer and financial model
- Next → 20 MW demonstration partner



Investor-ready workstream

Vendor-backed CAPEX and updated financial model to follow after Clarke Energy commercial proposal.

Partnership opportunity

CEWT is seeking strategic relationships to validate, finance and deploy CRT-Trigen™.

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Technology

- EPC / EPCM partners
- Methanation suppliers
- Gas engine providers
- Hydrogen and CO₂ capture

Investment

- Strategic investors
- Infrastructure funds
- Family offices
- Project finance partners

Deployment

- AI data centre developers
- Industrial campuses
- Government agencies
- Utilities and offtakers

Near-term ask: feedback, introductions and potential collaboration around a 20 MW CRT-Trigen demonstration for AI infrastructure.

The future of AI will be enabled by resilient, intelligent and sustainable energy systems.

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