

Clean Energy and Water Technologies Pty Ltd (CEWT)

Carbon Recycling Technology (CRT) – Executive Summary

Carbon Recycling Technology (CRT) is a next-generation energy infrastructure platform that enables a closed-loop carbon system. Unlike conventional decarbonisation approaches, CRT treats carbon as a recyclable carrier of energy, combining renewable hydrogen with captured CO₂ to produce renewable natural gas (RNG), which can be reused continuously.

Strategic Value Proposition

CRT delivers firm, dispatchable power while eliminating reliance on fossil fuels and carbon offsets. It integrates seamlessly with existing gas infrastructure and supports hard-to-abate industries such as steel and heavy manufacturing.

Project Snapshot – 135 MW (Kwinana)

- Total CAPEX: ~A\$1.6 billion
- Renewable integration: ~274 MW continuous input
- Output: ~200 MW gross power
- Closed-loop carbon recycling system
- Industrial integration potential (power + green steel)

Financial Highlights

- IRR: ~11.7%
- NPV: ~A\$300M+
- Payback: ~8 years
- Stable long-term revenue streams
- Independent of carbon credit reliance

Scaling Strategy

CEWT adopts a 'Project First, Licensing Second' model. Initial deployment establishes bankability, after which CRT is scaled globally through a controlled licensing framework. This enables rapid expansion without proportional capital deployment.

Revenue Model

- Licensing: 1–3% of project CAPEX
- ~\$16M–\$48M per project
- Recurring royalties on energy output and carbon recycling
- Exponential growth through multi-project deployment

Strategic Outcome

CRT positions CEWT as a global carbon infrastructure platform, transitioning from a single asset developer to a scalable licensing-driven enterprise with multi-billion-dollar potential.