



ECT

ENVIRONMENTAL CLEAN
TECHNOLOGIES LIMITED

2023

**Annual General
Meeting**

27 November 2023

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Introduction



Sam Rizzo

Managing Director

BA (Urban and Regional)

Grad Dip (Honours) in Urban and Regional Town Planning

Mr Rizzo is a highly regarded project leader with over 12 years' experience delivering mega-scale complex projects, renewable energy and supporting infrastructure to deliver optimal value and return on investment. Most recently, Regional Program Leader Europe for global energy transition leader Fortescue Future Industries. This role led strategic corporate agreements for complex multi-billion-dollar projects, which involved entering contractual arrangements with a national utility provider and active green renewable entities.

What attracted me to this business?

- ✓ *Patented, proven technology*
- ✓ *Immediate decarbonisation pathway*
- ✓ *Operational Demonstration Plant, ready for commercialisation*
- ✓ *Abundant resources - supply security*
- ✓ *Existing premium demand for net zero products*
- ✓ *Low Capital and Opex cost*
- ✓ *Scalable, modular and low-technology*

The Opportunity

The Challenge

- **Decarbonisation** Now!
- **Waste:** contaminated biomass
- **Energy:** affordable, reliable and zero-emission
- **Agricultural productivity:** declining soil health, increasing fertiliser costs

Green Renewable

Constrained:

- Long lead times
- Expensive
- Mineral intensive
- Ignores waste-to-energy (WTE) and waste-to-X (WTX) opportunities

The Solution

Patented **COLDry** closed-loop decarbonisation solution:



Proven



Modular



Immediately
Deployable



Zero-waste



Commercialisation
2024



Leverages cheap, abundant waste and low-cost resources to enable affordable, zero-emission solutions

ECT Technology Suite



COLDry

Waste to Energy

Net Zero solution for high-value products from waste and low-value resources.



HydroMOR

Low Emission Iron Making

Utilising waste and low-value resources to produce iron and steel.



COHgen

Hydrogen

Low and zero-emission hydrogen from waste and low-value resources.



CDP-WTE

Low emission fuel

Low-emission conversion of waste and low-value resources to liquid fuels, bitumen and asphalt.

Strategy

Commercialisation

Race to Revenue:
2024

Supply & Offtake

Growth
60 → 120ktpa

Partnerships

Deployment

Drivers

Low CAPEX &
OPEX

High Value
Products

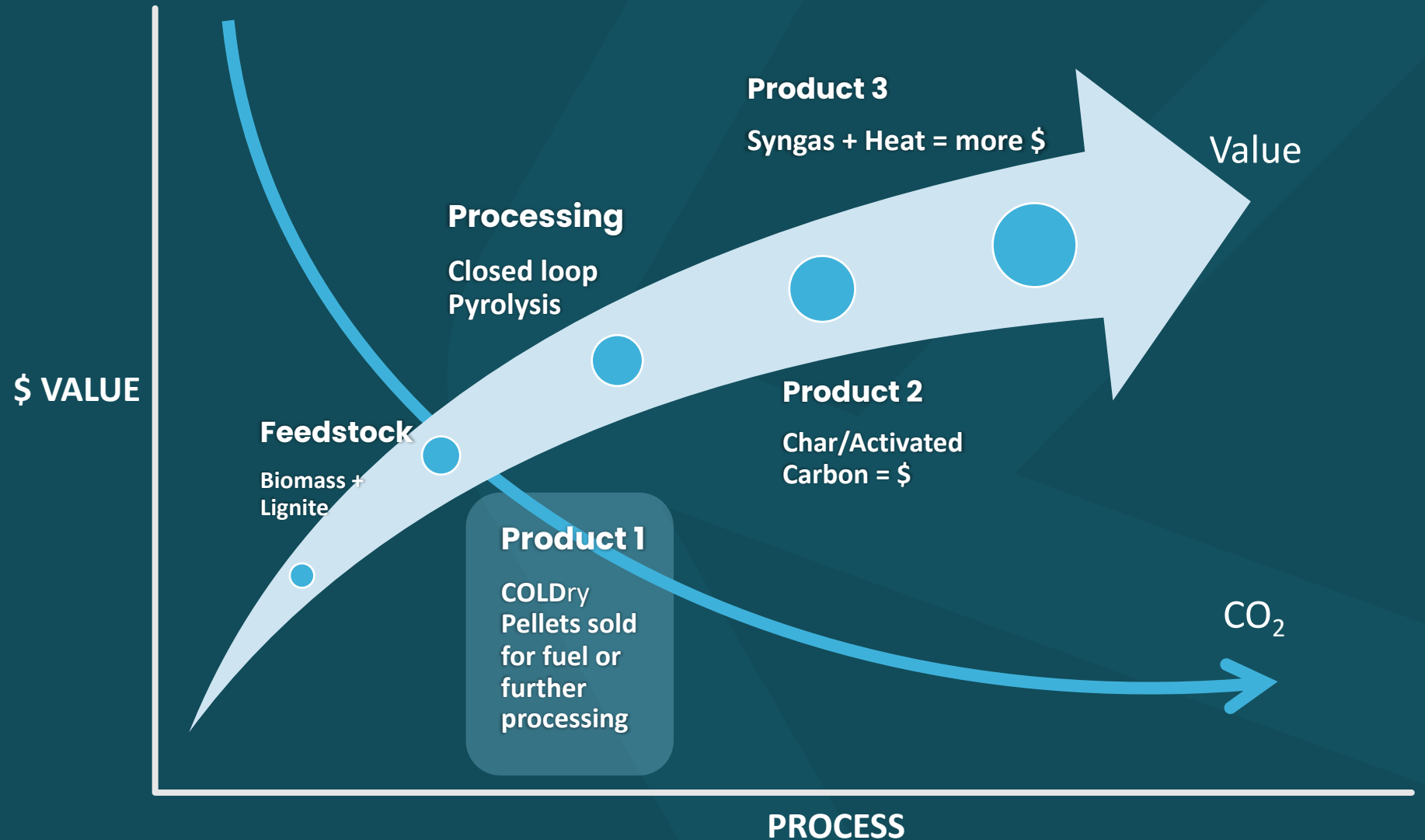
Demand Growth

Net Zero

Patented
Technology

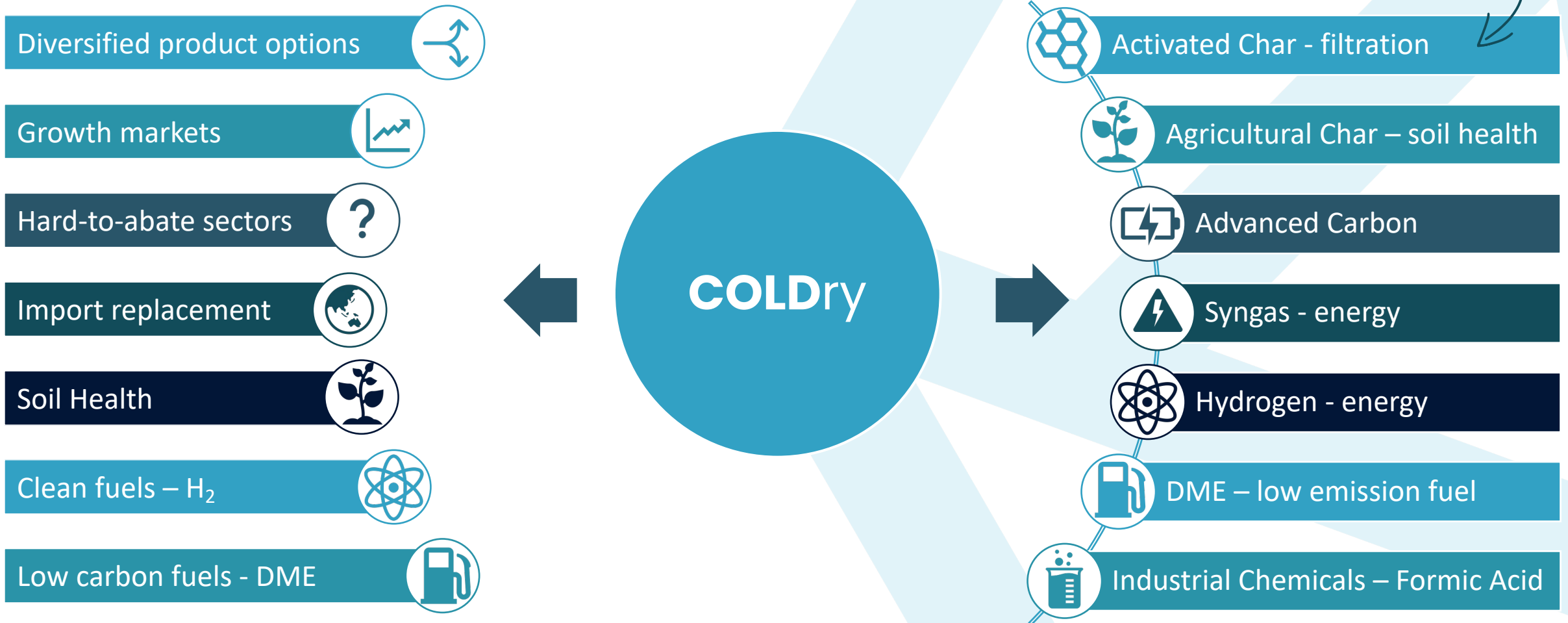
COLDry: Three Product Streams

	Patented & Proven
	Closed loop Net Zero
	Low CAPEX & OPEX
	Scalable
	Carbon Credit



Markets and Products: Net Zero

Enabling waste to valuable products



Race to Revenue

Projections & financial analysis

Project Parameters

Plant Capacity

Target throughput
~120,000
tonnes per annum

Supply

Waste & low-cost inputs

20% / 80%
Biomass
Lignite Blend

Product

High-Value
COLDry

~57,000
tonnes per annum

Performance Estimates

Phase 1 IRR estimate >50%

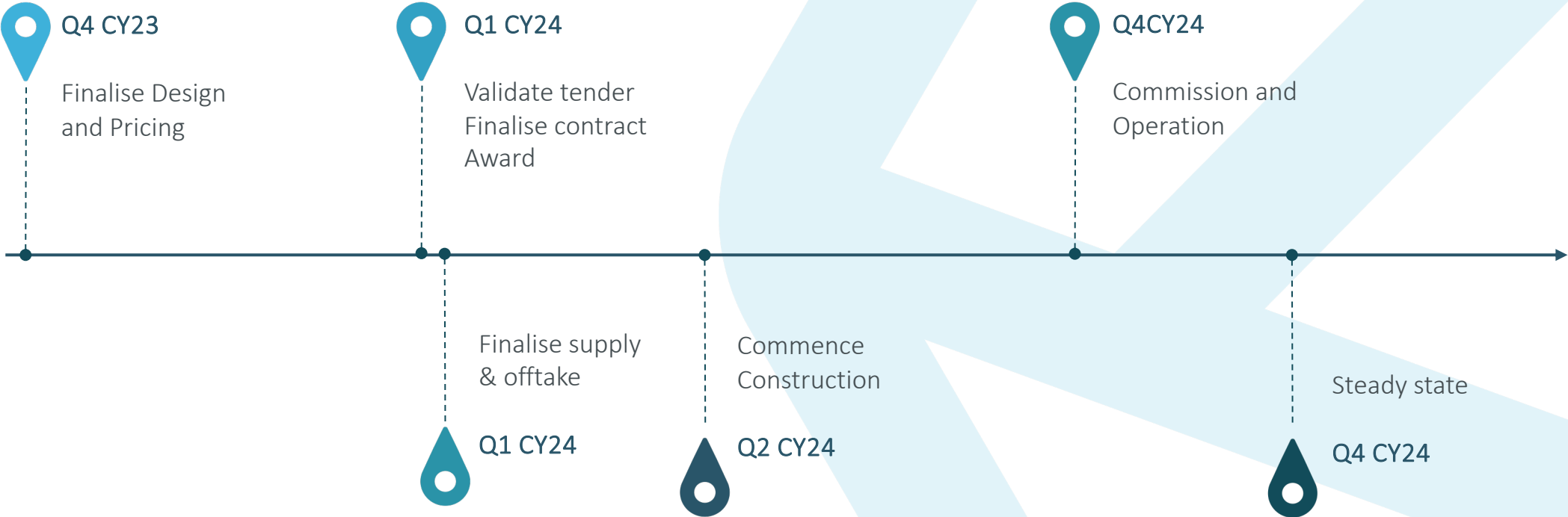
Payback Period estimate ~2.6 years

Recurring Revenue 30+ years

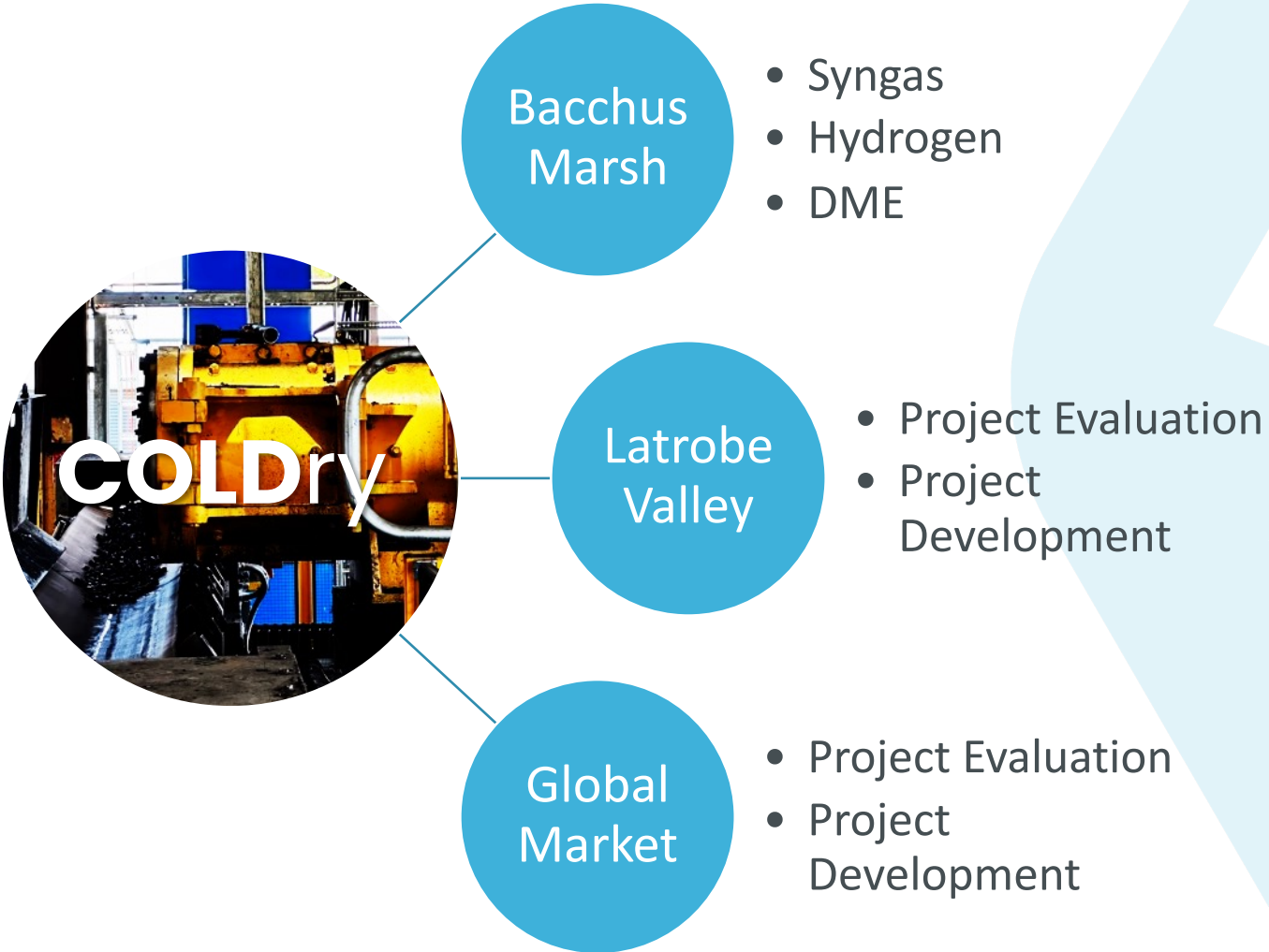
Modular: expandable to Latrobe Valley

Future syngas offtake revenue streams

ECT 2024 COLDry commercialisation schedule



Beyond 2024



Technology Development



HydroMOR
Pilot Plant



COHgen
Test Plant



CDP-WTE
Demonstration Plant

ECT COLDry Investment Rationale

We are in the right the place at the right time to meet today's challenges and offer investors a low-tech risk, low development risk, low capex, highly scalable, near-term breakeven investment opportunity to participate in a major energy transition theme where governments and large industry players are desperate to find solutions.



Immediate



Net Zero



Environmental
Solution



Low Capital
Investment



Undervalued
Share Price



Attractive
Returns



Growth
Opportunities



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Thank you.