



CORALIA | NOVIQTECH

# HIGH INTEGRITY CARBON REMOVAL. CORALIA.

HELPING DATA CENTRES REDUCE NET EMISSIONS



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# CORALIA TEAM



**Tim Brooks**  
**Managing Director**

Tim has over 15 years in a variety of senior marketing, project management and commercial roles at NAB, Lion Nathan, Nestle, Pfizer, Diageo and Arnott's.

He has 3 years experience in carbon markets, specialising in biochar projects that use invasive woody weed species. Tim has field experience in WA, North Qld and SA including sourcing, quantifying and structuring feedstock supply and negotiation of corresponding agreements.

Tim holds a Bachelor of Commerce from the University of NSW, majoring in Marketing and Human Resource Management.



**Howard Pheby**  
**Advisor**

Howard brings with him over 25 years of experience in the global data centre industry; from colocation and IXP's to developing for government and banking to most recently a decade in helping develop one of Europe's leading hyperscale developers and operators.

He understands what drives the hyperscale and AI players need for rapid growth and a desire for sustainable development.

Howard has solid experience in Europe, Africa and Asia Pacific and has a passion for sustainable development and high integrity projects.



**Michael Hallam**  
**Chief Engineering Officer**

Michael is a renewable energy engineer providing advisory services across climate, carbon markets, industrial energy efficiency and sustainability segments.

He has successfully registered Australia and the UK's first transport project for vehicle electrification under the VCS, registered a number of projects under the Emissions Reduction Fund, including a biomass fuel switching project at a timber mill in South Australia helped design technical solutions for operating biochar projects in Vietnam (funded by DFAT grant) and an almond shell to biochar plant in California, and several projects in feasibility stages across Australia.

Michael was also previously an auditor under the Puro.earth Standard and completed more than 10 reasonable assurance engagements under the Puro.earth Biochar Methodology.



**Alex Boden**  
**Operations Advisor**

Alex is a seasoned FMCG executive with over 20 years of general management experience. As General Manager of Vitaco Australia and International, he has consistently delivered strong results across markets including ANZ, China, Southeast Asia, and the U.S.

Known for turnarounds and scale-ups, Alex excels in brand strategy, sales execution, and leading high-performing teams. Alex is passionate about building resilient brands, driving innovation, and unlocking value in complex markets.

Alex has a Master's Degree in Marketing/Marketing Management from the University of NSW.

# BUILT FOR THE AI DATA CENTRE ERA

As AI drives exponential growth in data centre emissions, companies like Microsoft and Google are turning to Carbon Dioxide Removal (CDR) to meet their net-zero commitments<sup>1</sup>.

Coralia provides institutional-grade CDR supply when it's needed most.



1. <https://www.esgdive.com/news/microsoft-tops-google-signs-largest-biochar-carbon-removal-deal-exomad/748866/>



# AI BOOM SEEING SURGE IN CARBON EMISSIONS FROM HYPERSCALERS

Article • Sustainability

## Microsoft's 2030 Plan Revealed as Emissions Rise by 23.4%

By James Darley  
May 30, 2025 • 6 mins

Source: <https://sustainabilitymag.com/articles/microsofts-2030-plan-revealed-as-emissions-rise-by-23-4>:

## Carbon removal is key to AI's next chapter

Why major tech companies must build CDR into the AI infrastructure boom.

MICHELLE YOU | AUGUST 1, 2025

Source: <https://www.latitudemedia.com/news/carbon-removal-is-key-to-ais-next-chapter/>

### CDR Engagement - Microsoft Peer Group Comparison

	Microsoft	Alphabet (GOOGL)	Amazon	Meta	Apple
Annual Emissions (mtCO2e)*	15M	14.3M	68.82M	7.5M	15.6M
Net Zero Commitment	2030	2030	2040	2030	2030

Source: <https://www.cdr.fyi/blog/cdr-fyi-insight-microsoft>



# CDR IS FORECAST TO BE A TRILLION DOLLAR MARKET OPPORTUNITY

**Carbon Herald**  
CARBON REMOVAL, CAPTURE & MARKETS

REMOVAL

## McKinsey Believes Carbon Removals To Be A Trillion Dollar Market Opportunity

by Violet George · December 8, 2023 · 2 minute read



Source: McKinsey

## Unlocking ASEAN's \$3 Trillion Carbon Market Potential

December 12, 2024 | Updated: December 12, 2024

By Jennifer L



Source: <https://carboncredits.com/unlocking-aseans-3-trillion-carbon-market-potential/>

# CDR BIG TECH NET ZERO COMMITMENTS RESULTING IN EXPONENTIAL CDR MARKET GROWTH

## ENERGY TRANSITION

Microsoft ‘cannot achieve its goals without carbon removal’

Source: <https://www.energyvoice.com/renewables-energy-transition/583304/microsoft-cannot-achieve-its-goals-without-carbon-removal/>

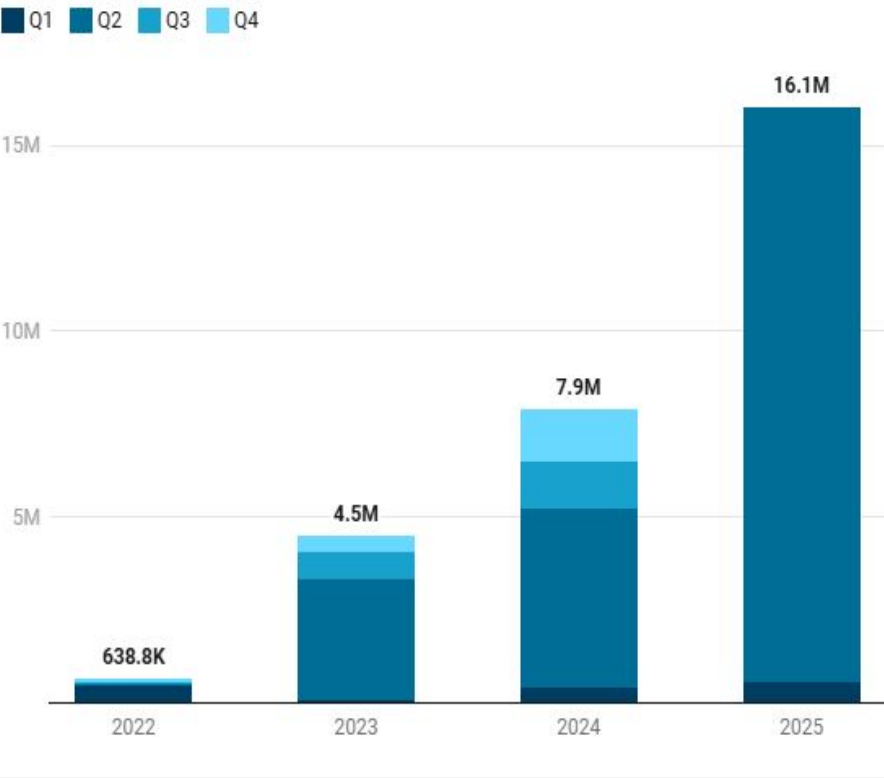
Meta estimates 2026 capex to be between \$115–135bn, as data center spend grows

Previously warned increase could see capex nearly double YoY

January 29, 2026 By: Georgia Butler [Have your say](#)

Source: <https://www.datacenterdynamics.com/en/news/meta-estimates-2026-capex-to-be-between-115-135bn/>

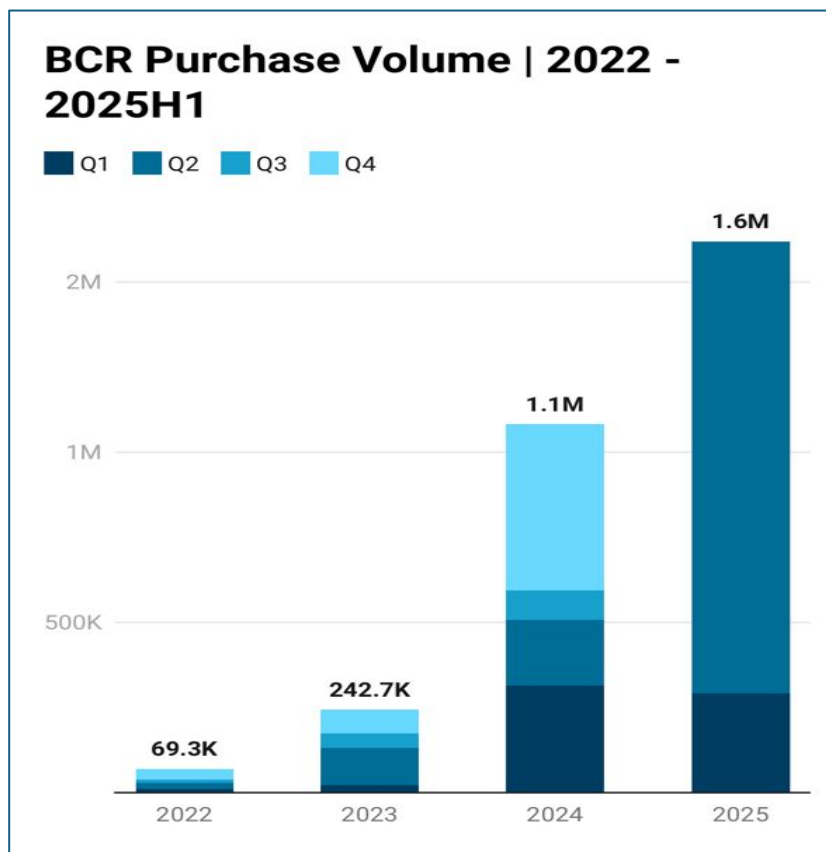
Durable CDR Purchase Volume | 2022 - 2025



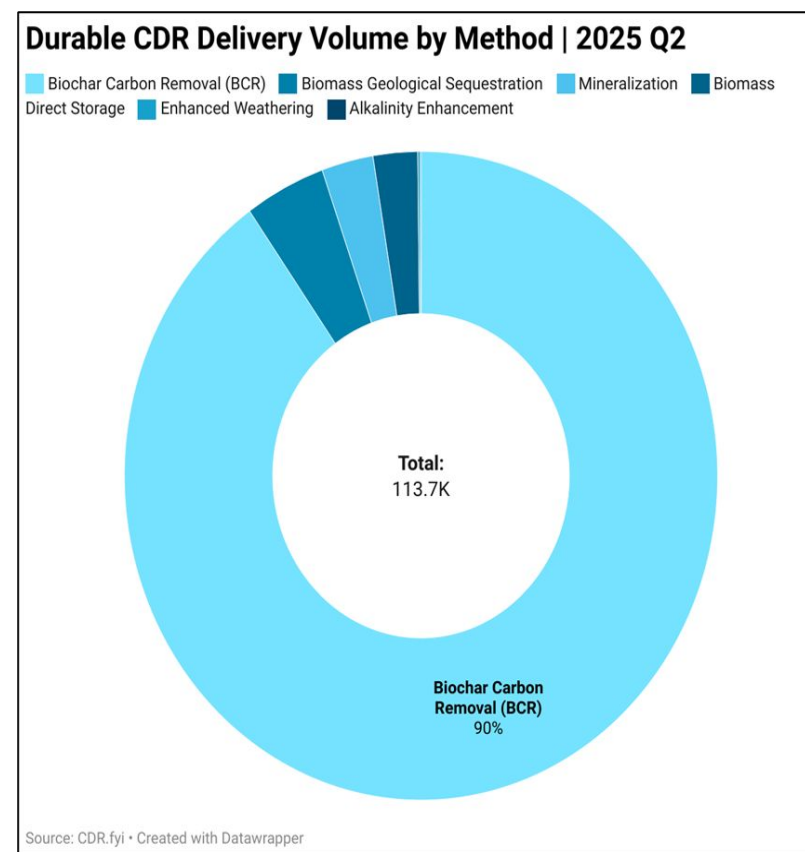
Source: CDR.fyi

# BIOCHAR CDR DOMINATES CDR MARKET DELIVERY VOLUME

Biochar CDR projects continue to dominate delivery volume over all other CDR methods as technology is more established and cheaper than other CDR methods.



Source: CDR.fyi



Source: CDR.fyi • Created with Datawrapper

Source: CDR.fyi



# WHAT IS BIOCHAR?

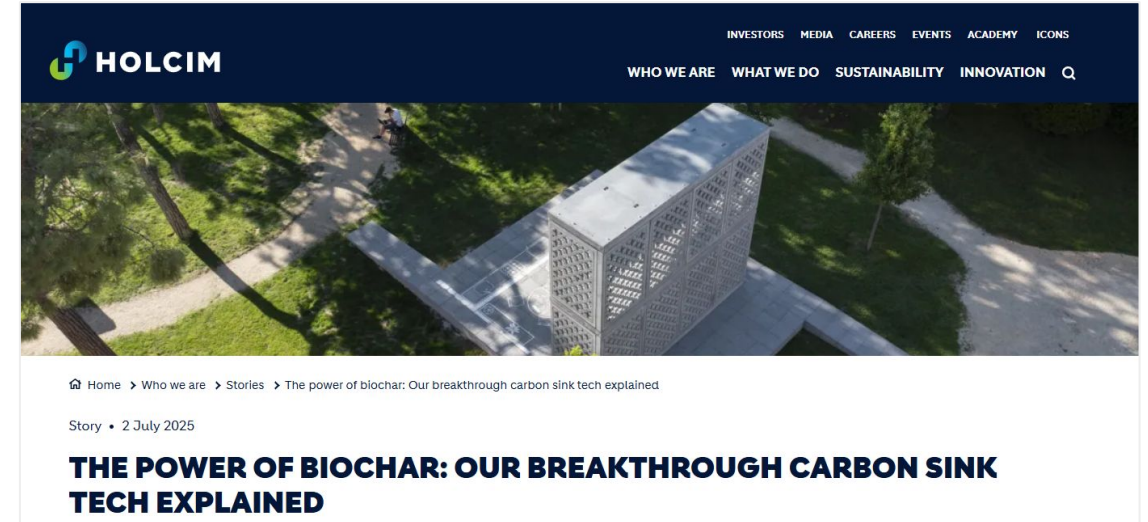
- Biochar is a charcoal-like substance produced by heating organic matter without oxygen in a process called pyrolysis.
- This process sequesters carbon from the biomass with a high level of permanence instead of losing it to the atmosphere as CO<sub>2</sub>.
- Biochar's ability to hold and store carbon for many thousands of years makes it a perfect candidate for generating Carbon Dioxide Removals (CDR).
- Feedstock Supply at Scale is the key requirement of Institutional Grade Biochar CDR Projects.



# BIOCHAR IS MORE THAN JUST CDR

Notable fields of application of biochar outside of agriculture and carbon dioxide removal include:

- The use of additives in the production of cement or concrete, to reduce the carbon footprint as AWS are currently doing in Japan.
- Agricultural yield enhancement
- Biochar has many applications in water filtration such as PFAS removal



Source: <https://www.holcim.com/who-we-are/our-stories/the-power-of-biochar>

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## AWS pledges to use low-carbon concrete for future Japanese data centers

Partners with three firms for the use of ECM concrete, biochar, and Cleancrete

Source:  
<https://www.datacenterdynamics.com/en/news/aws-pledges-to-use-low-carbon-concrete-for-future-japanese-data-centers/>



# MICROSOFT AND GOOGLE LEADING BIOCHAR CDR PURCHASES



COMPANIES · ENVIRONMENT

## Microsoft Signs Largest-Ever Biochar Carbon Removal Agreement

Source: <https://www.esgdive.com/news/microsoft-tops-google-signs-largest-biochar-carbon-removal-deal-exomad/748866/>



Q ≡




CASE STUDIESDECARBONIZATION

How Google and an Indian startup struck the largest biochar carbon removal deal ever

Source: <https://trellis.net/article/google-indian-startup-largest-biochar-carbon-removal-deal-ever/>

## BCR Purchaser Leaderboard | 2022 - 2025H1

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	Purchaser	Tonnes Contracted	% in CDR Portfolio
1	 Microsoft	1.4M	5%
2	 Google	200K	35%
3	 Swiss Re	84.4K	99%
4	 BCG	44.2K	21%
5	 Zurich Insurance Group	22.6K	56%
6	 JPMorgan Chase	20.7K	4%

Source: CDR.fyi

# BIOCHAR SUPPLY TIGHTENING LEADING TO PRICE INCREASES

## 93% Of The 2025 Biochar Supply Is Already Contracted, Says New Supercritical Analysis

by Sasha Ranevska · October 20, 2025 · 2 minute read



Source:  
<https://carbonherald.com/93-of-the-2025-biochar-supply-is-already-contracted-says-new-supercritical-analysis/>

According to Sylvera the Biochar CDR supply crunch has seen average biochar CDR prices increase by 35% in the last 2 years<sup>1</sup>

High Integrity BCR projects with significant biodiversity and community co-benefits like Coralia's Great Barrier Reef Project have the potential to attract premium prices.

<https://www.sylvera.com/blog/biochar-carbon-credits>



World ▾ Business ▾ Markets ▾ Sustainability ▾ Legal ▾ Commentary ▾ Technology ▾ Investigations

## Big Tech offsetting AI-linked emissions leaves carbon credits in short supply

By Simon Jessop, Susanna Twidale and Virginia Furness

November 19, 2025 2:52 AM GMT+11 · Updated November 19, 2025



Source:  
<https://www.reuters.com/sustainability/cop/big-tech-led-demand-carbon-removal-credits-fuels-supply-crunch-2025-11-18/>



# THE GREAT BARRIER REEF BIOCHAR PROJECT

Quality Biochar CDR at  
Institutional Scale

# GREAT BARRIER REEF BIOCHAR PROJECT OVERVIEW

Biochar can store CO<sub>2</sub> for thousands of years in a substrate which is also of great value to agricultural, construction and remediation industries.

Coralia's first project, **The Great Barrier Reef Biochar Project**, is expected to convert over 2M tonnes of invasive woody weed biomass into high quality, agricultural grade biochar.

**It is one of the largest biochar projects in the world.**

Over its life, the Project has the potential to:

Produce

**~ 250,000**

tonnes of high-quality agricultural grade biochar.<sup>1</sup>

Generate Significant

**CDR Revenue** on the first Great Barrier Reef catchment project site over 10 years.

Deliver

high quality CDR credits, providing near term supply to net zero leaders.<sup>2</sup>

Enable the technology necessary to **scale CDR and Biochar** production and marketplaces.

Support the remediation of

**20k hectares**

of productive land in North Qld.

Help the people, fauna and flora of the **Great Barrier Reef** Catchment recover from the costly effects of invasive weeds like Chinese Apple.

Assumes 25% biochar conversion factor from ~2m/t timber



# WOODY WEEDS NEGATIVELY IMPACT THE GREAT BARRIER REEF

## Decarbonisation Gap

- Chinese "Chinee" Apple (*Ziziphus Mauritiana*) is a large hardwood weed introduced into North Queensland in the late 1800s.
- Chinese Apple has a negative impact on the Great Barrier Reef, with reports finding that up to 99% of its coral are at risk, as it out competes native grasses and shrubs that bind the top soil together leading to sediment runoff into the Great Barrier Reef.

Source:

<https://www.smh.com.au/environment/climate-change/barrier-reef-doomed-as-up-to-99-percent-of-coral-at-risk-report-finds-20210331-p57fng.html>



# WOODY WEEDS IN NORTH QLD ARE CLEARED AND BURNT

## The Opportunity

Instead of being removed by clearing and burning and releasing carbon into the atmosphere, woody weeds like Chinese Apple and other agricultural waste can instead be used as feedstock to produce high grade biochar as a long term carbon sink under the Puro.earth Biochar Standard<sup>1</sup>.

Source: <https://puro.earth/biochar>



Puro Standard

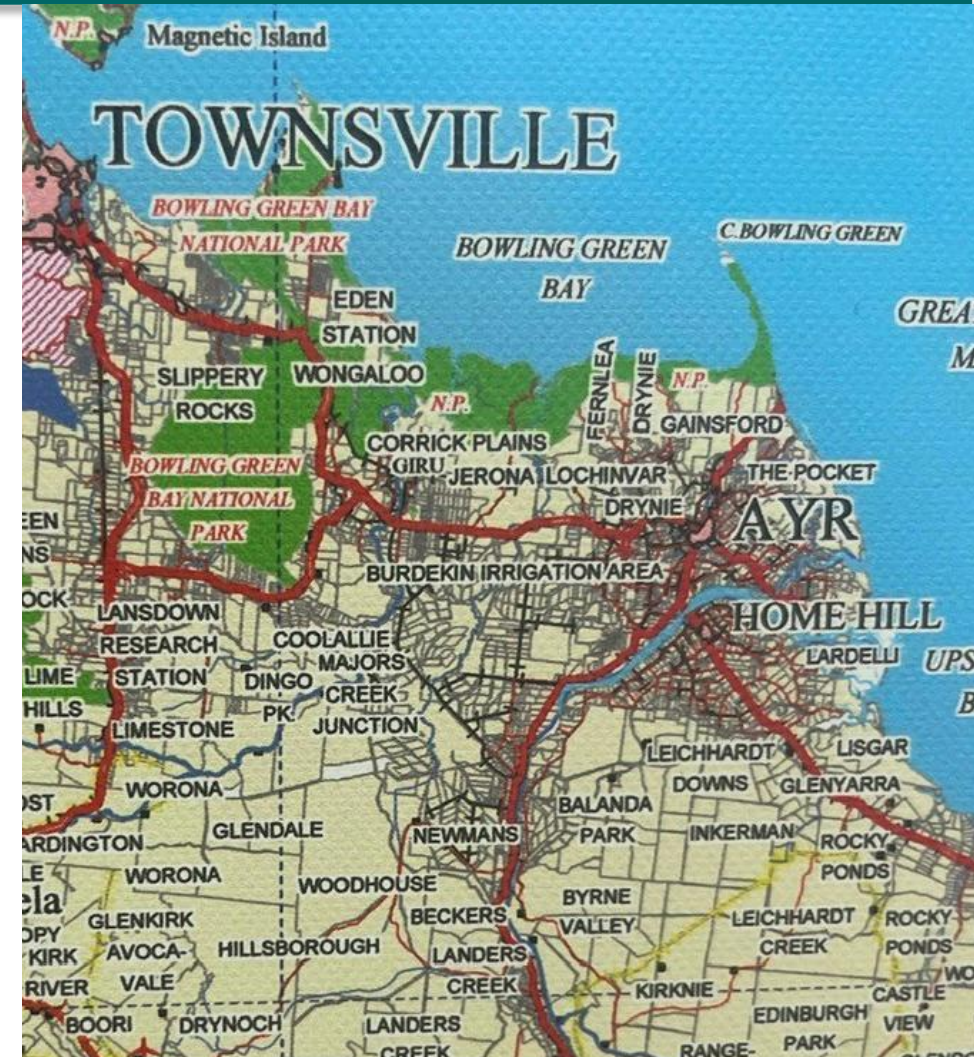
Biochar  
Methodology



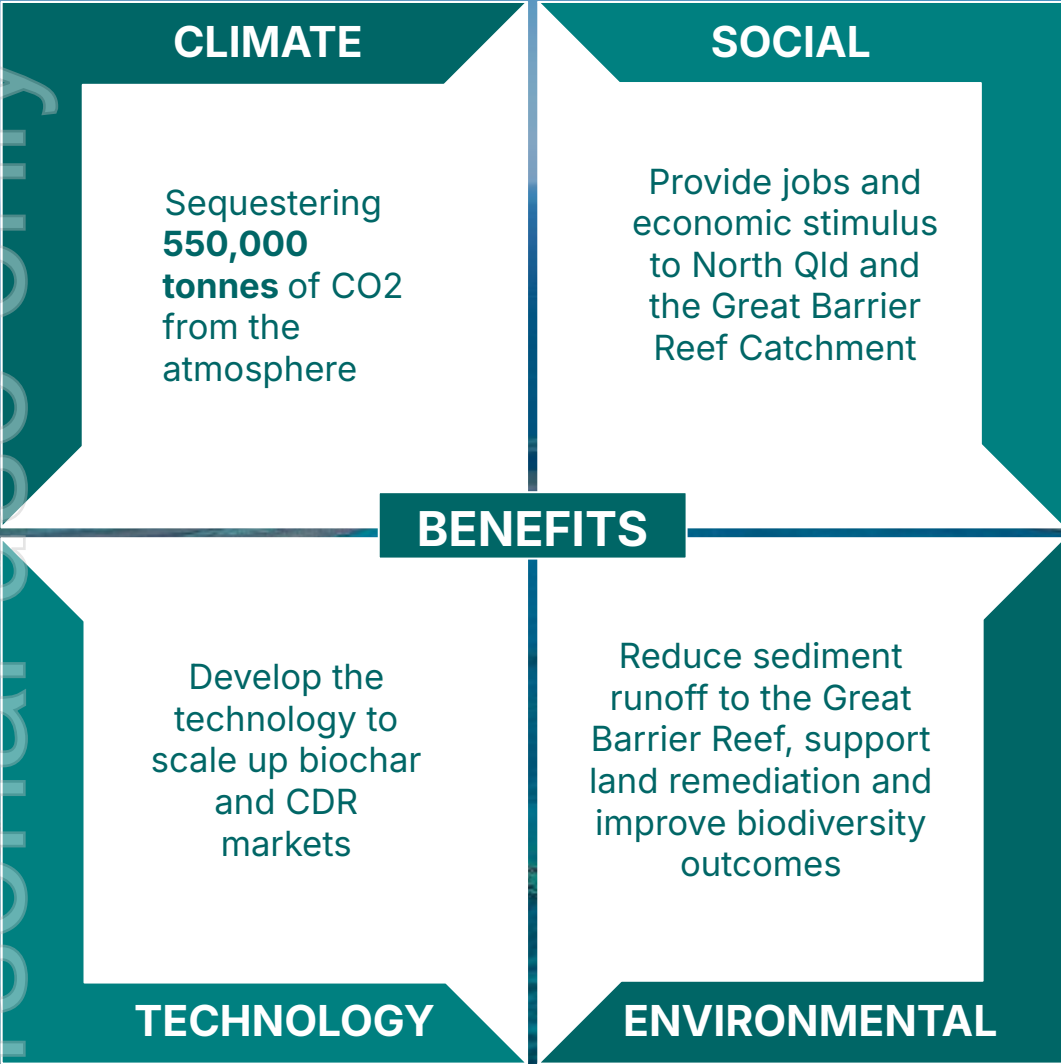


# AAA GRADE BIOMASS RESOURCES CONTRACTED IN PRIME LOCATIONS

- Approximately **2M tonnes of biomass** secured to date under binding contracts with more deal flow in progress.
- **4 contracted properties** are located on major highways (Flinders + Bruce Highways) which reduces key transport and logistics costs.
- **Further properties** are expected to be contracted in coming months to expand the footprint and scale of Coralia's CDR platform.



# SUPPORTING THE DATA CENTRE INDUSTRY'S NET ZERO AMBITIONS



Deploying novel technology at the scale required to support the Data Centre Industry's Net Zero ambitions, whilst contributing positively to the social and environmental fabric of the areas we operate in.





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