

**WE ENABLE MINING COMPANIES TO
SIGNIFICANTLY REDUCE THEIR
CARBON FOOTPRINT AND ENERGY
COSTS.**



Carbon Compass

Problem / Solution

Carbon Compass addresses the problem of excessive carbon emissions and energy consumption in the mining sector by providing a technology suite that facilitates near-real-time tracking and optimization of energy use and GHG output, ensuring regulatory compliance, cost reduction and increased sustainability.



What industry pressures are miners under ?

The Australian Government's Safeguard Mechanism¹ requires large guard emitters to report their Carbon emissions in detail. Companies exceeding their allowable levels, are liable to pay a \$275 per ton CO2e penalty.

The European Commission is proposing to cut net greenhouse gas emissions by at least 55% by 2030,² compared to 1990 levels, up from our current target for 2030 of at least 40%.

INSTITUTION NAME	MARKET CAP	CLIMATE GOAL
BHP Group	116.1B	Commitment to reaching net-zero emissions by 2050
Rio Tinto	95.2B	Commitment to reaching net-zero emissions by 2050
Vale S.A	52.4B	Committed to reaching net-zero scope 1 & 2 emission by 2050
Fortescue Metals Group LTD	29.4B	Commitment to reaching NetZero by 2040
Anglo American	28.6B	Commitment to reaching NetZero by 2040
Wheaton Precious Metals Corp	19.7B	CARBON NUETRAL
Sumitomo Metal Mining Co. ltd.	7.7B	Formulating net-zero plan to be achieved in the second half of the century.
South 32	6.8B	Committed to NetZero by 2050

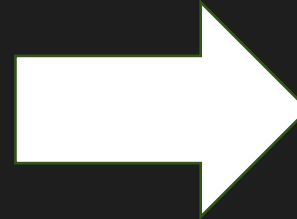
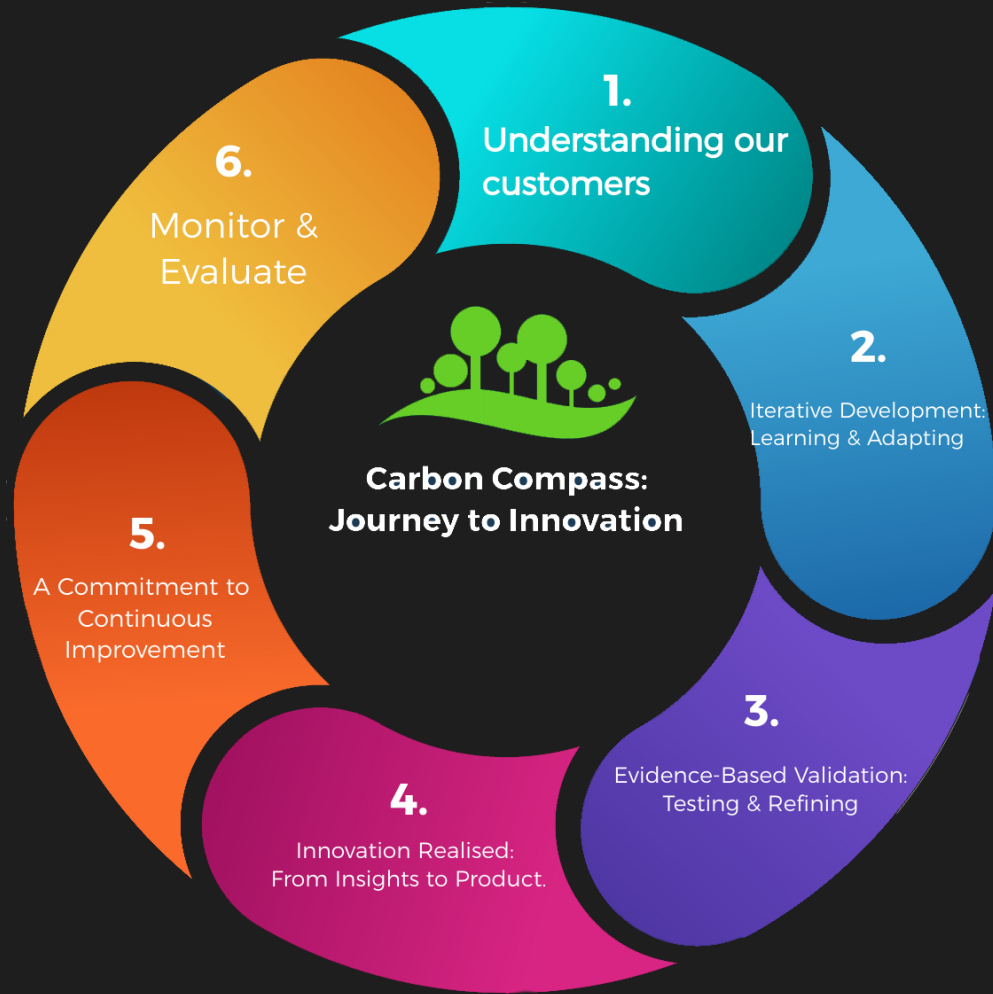
1. <https://www.dcceew.gov.au/climate-change/emissions-reporting/national-greenhouse-energy-reporting-scheme/safeguard-mechanism>

2. https://climate.ec.europa.eu/eu-action/climate-strategies-targets/2030-climate-targets_en#:~:text=In%202023%2C%20the%20EU%20adopted,climate%2Dneutral%20continent%20by%202050.

3. <https://minerals.org.au/policies/energy-and-climate-change/mining-towards-net-zero/>



Our journey of innovation.



1: Understanding our customers

- Comprehensive R&D & Engagement
- Requirement & Challenge Mapping

2: Learning & Adapting

- Iterative Development
- Pivot & Refine
- Goal Alignment

3: Testing & Refining

- Critical Validation
- Scenario Testing

4: Insights to Product

- Deep customer insight improvements
- Systems integration

5: Continuous Improvement

- Customer Evaluation
- Industry Test Group Analysis
- Market Study



Secret Sauce.



A Foundation Built for innovation



Carbon Compass's tailored software architecture serves the mining industry, utilizing digital twins and AI analytics.



Unique System Architecture: Seamless Integration and Scalability



Carbon Compass's system seamlessly integrates data across mining for optimized, efficient, and reliable operations.



Digital Twin Integration: A Mirror to Real-World Operations



Our digital twin technology models dynamic virtual mine sites, enhancing energy operational insights and predictive scenario planning.



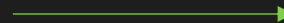
AI and Machine Learning: Smart Analytics Engine



Our AI and machine learning architecture converts operational data into insights, boosting proactive energy & GHG issue resolution.



Intellectual Property and Competitive Advantage



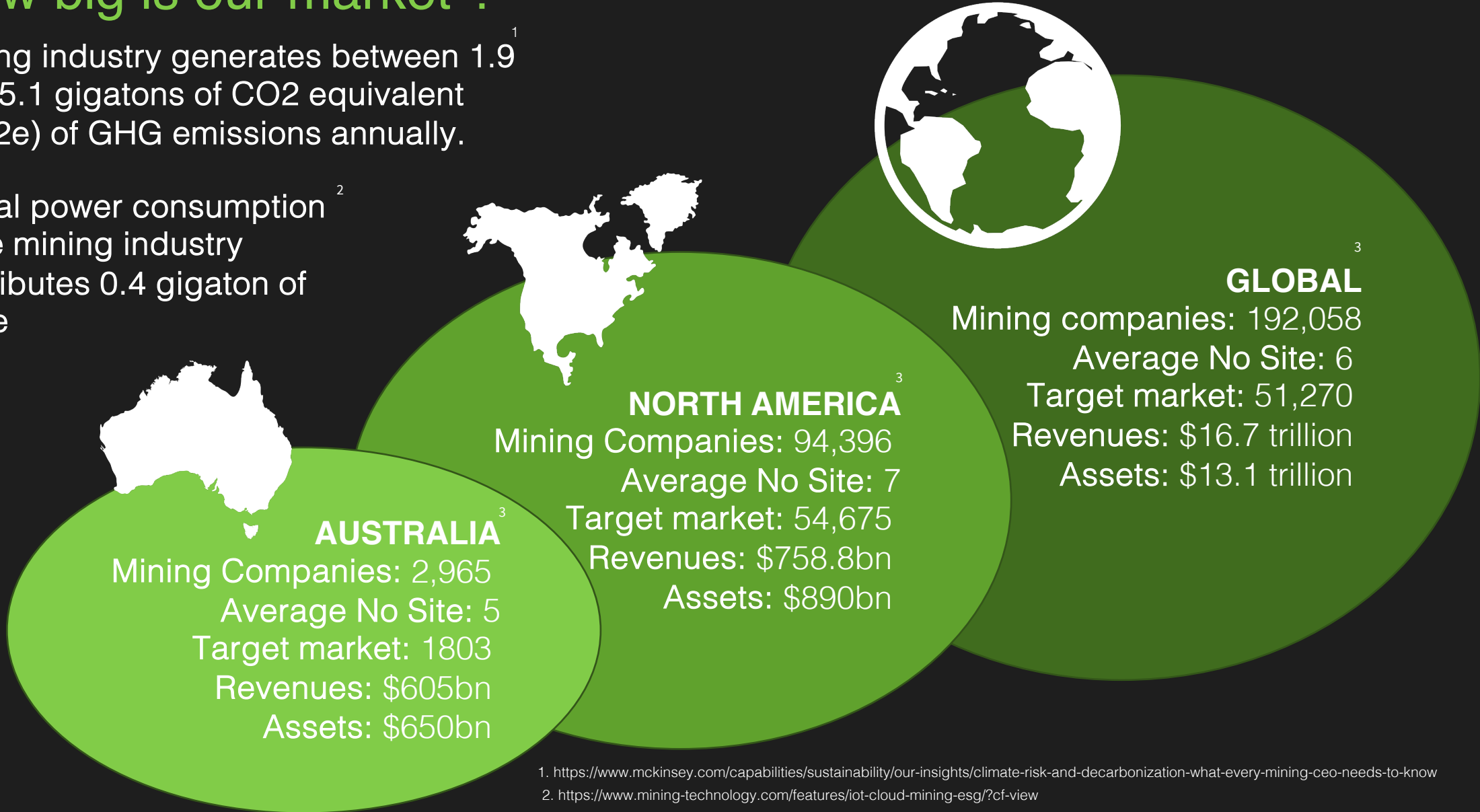
A culmination of years of R&D and industry expertise, integrating advanced industry first solution tailored for the mining industry's specific needs.



How big is our market ?

Mining industry generates between 1.9¹ and 5.1 gigatons of CO2 equivalent (CO2e) of GHG emissions annually.

Global power consumption² in the mining industry contributes 0.4 gigaton of CO2e



1. <https://www.mckinsey.com/capabilities/sustainability/our-insights/climate-risk-and-decarbonization-what-every-mining-ceo-needs-to-know>

2. <https://www.mining-technology.com/features/iot-cloud-mining-esg/?cf-view>

3. <https://www.spglobal.com/marketintelligence/en/>



Industry Opportunity

IGO Proof of Concept Partner

Number of Sites : 11

Market cap: \$5.86B

Group Revenue: \$1.02B

Net Profit After Tax: \$549M

Potential Rev P/Site: \$9k p/mnth – \$108K p/y

Potential Rev: 11 x \$108K = \$1.18M ARR

POC INREGRATING WITH NOVA

The Nova Operation is in the Fraser Range, approximately 160km east-northeast of Norseman, 360km southeast of Kalgoorlie and 380km from the Port of Esperance in Western Australia.

2024 guidance - Metal Production

Nickel: 21,500 to 23,500 tonnes

Copper: 8,500 to 10,000 tonnes

Cobalt: 700 to 800 tonnes



MAKING A DIFFERENCE



How does Carbon Compass generate revenue ?



1. Software Subscriptions:

Carbon Compass offers a competitively priced SaaS platform, planning to raise fees as features expand.



Price Point p/site/mnth -\$9K
Avg Profit Margin – 65%

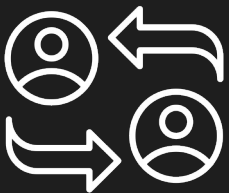


2. Data Licensing:

The company intends to license aggregated mine site data to academia, OEMs, and various institutions.



Price Point p/site – Variable/volume based
Avg Profit Margin – 85+%



3. Referral Fees:

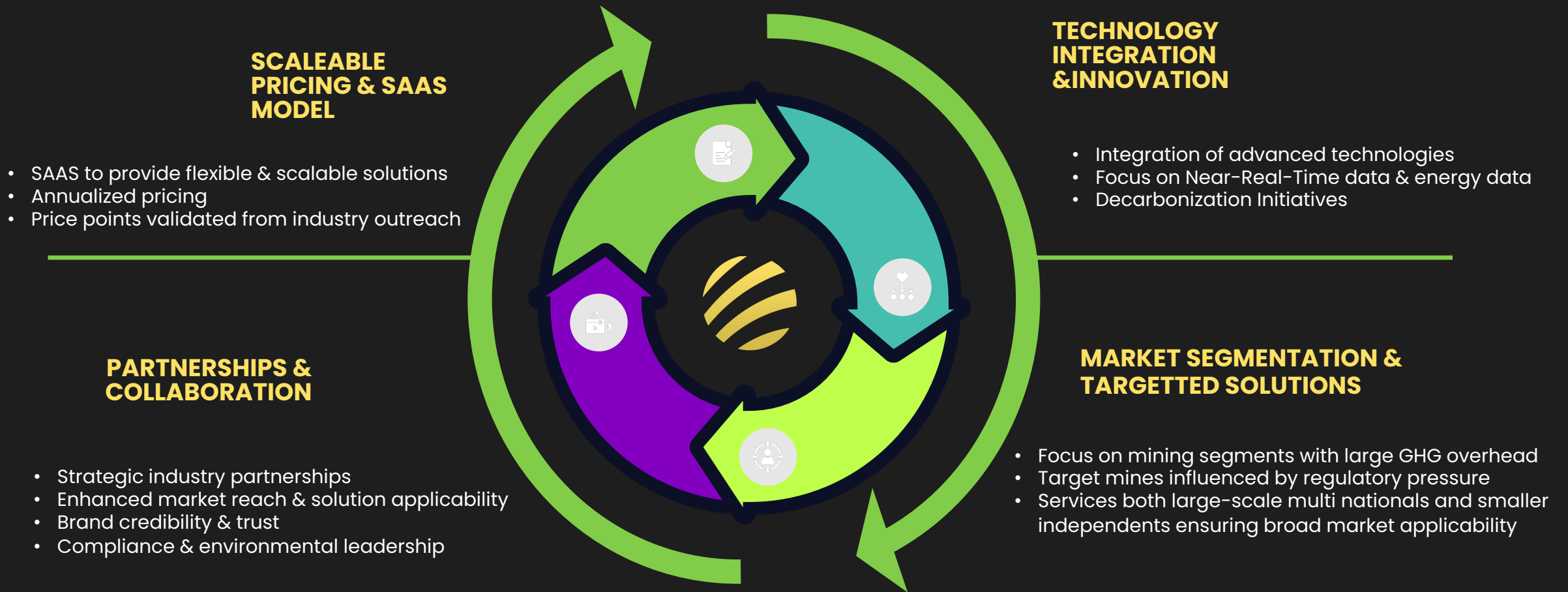
Carbon Compass earns referral fees from energy developers like ENGIE for platform-generated leads.



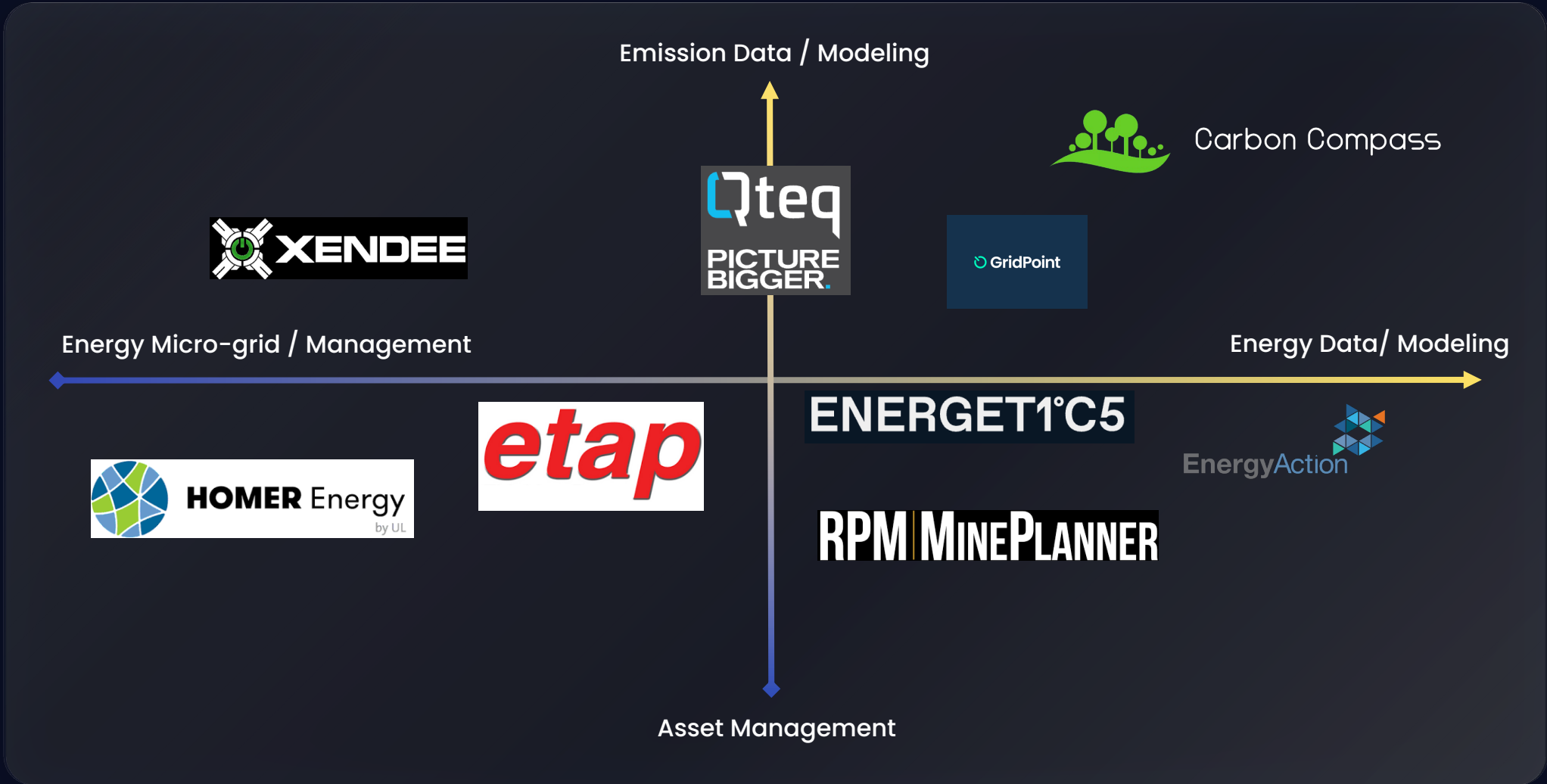
Price Point p/site - Variable
Avg Profit Margin – 95%



Go-to-market strategy



Competitive Landscape



Financial Projections

\$USD	FY2024/25	FY2025/26	FY2026/27
Revenue ¹	874,568	5,777,099	14,096,278
Direct Costs	(59,158)	(380,958)	(974,309)
Gross Profit	815,410	5,396,140	13,121,969
<i>Net profit %</i>	26%	58%	60%
Operating Expenses	(586,374)	(2,022,988)	(4,617,814)
Total Expenses	(645,532)	(2,403,947)	(8,504,155)
OPERATING EBITDA	(229,036)	(3,373,152)	8,504,155

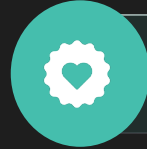


The Investment

\$2.5M
capital
raise on
SAFENOTE



Product and Technology Development,



R&D



Operational and Staff Expansion



Proof of Concept and Pilot Projects



Sales and Marketing Expansion



Founding Team

MATTHEW LAMBERT



Matthew Lambert's tech expertise and entrepreneurial success drive innovation and growth at Carbon Compass, shaping it as a sustainability leader in mining.

Lambert's proven track record includes profitable start-ups and deep industry insights gained from global engagements.

As co-founder, Lambert plays a vital role in developing strategies that establish Carbon Compass as a pioneer in sustainable mining solutions.

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MARK SHAW



Mark Shaw brings over 25 years of experience in digital media, marketing, and entertainment industries.

Shaw's role at Carbon Compass involves driving growth, strategic partnerships, and aligning with global sustainability goals.

With a diverse background, Shaw contributes valuable insights in marketing, business development, and technology for sustainability.

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Thankyou !

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