

CARBONCOMPASS.IO

ESG – Net Zero – Safeguard Mechanism – Energy Cost Reduction



#### **COMPANY OVERVIEW**

Revolutionizing sustainability in mining with IoT, ML, AI and Twin, technologies for NetZero emissions.

Founded by Matthew Lambert and Mark Shaw, seeking \$750K investment for scaling operations.

Aiming to provide data-driven insights for reducing GHG emissions and energy use in mining industry.



## SUSTAINABILITY IMPERATIVE IN MINING

Mining industry faces pressure to reduce environmental impact due to rising costs and regulations like the Australian Safeguard Mechanism.

Mines lack tools for effective ENERGY and carbon footprint measurement, analysis, and reduction, necessitating a shift to sustainable practices.

Carbon Compass offers innovative digital solutions using IoT and AI technologies to help mines navigate towards NetZero emissions.



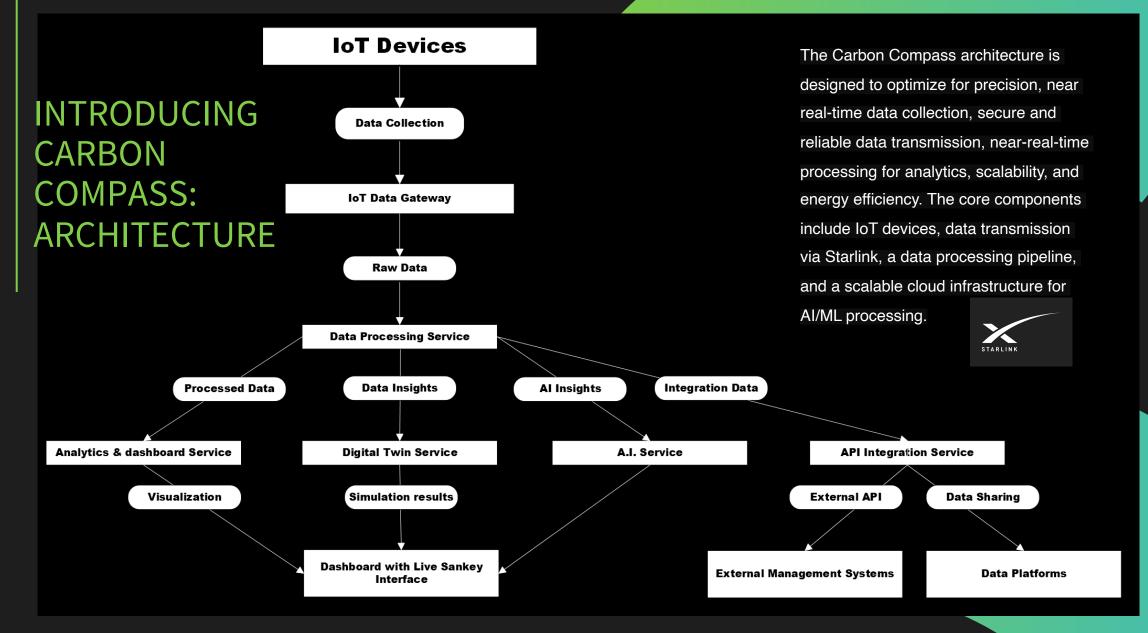
## INTRODUCING CARBON COMPASS: OUR SOLUTION

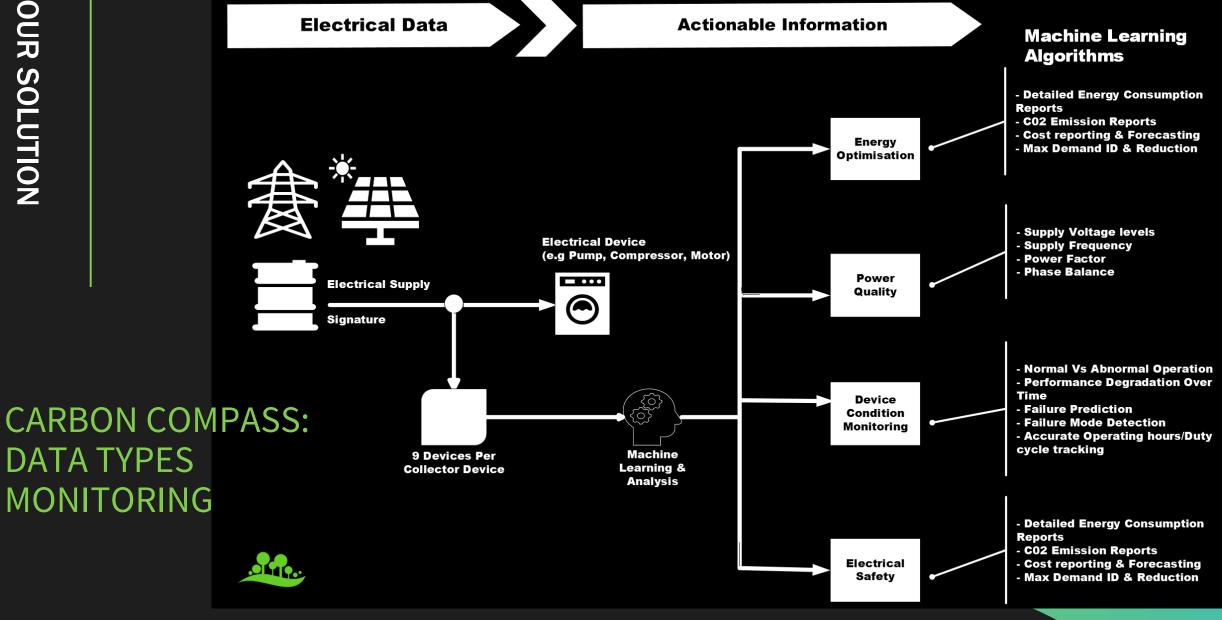
Leverages IoT sensors to gather energy and GHG emissions data in mining operations for efficiency detection and compliance assurance.

Empowers mines to forecast operational impacts and optimize energy consumption through renewable solutions.

Enhances decision-making with actionable data-driven insights for reducing GHG emissions and transitioning to renewable energy sources.







#### CARBON COMPASS: DATA TYPES MONITORING

- 1. Continuously monitor electrical devices, reporting on device performance, operational state and power consumption in near real-time
- Advanced machine learning technology eliminates the need for multiple, expensive sensors fitted to electrical devices.
   Carbon Compass relies instead on the device's electrical supply signature, measured at the switchboard with nonintrusive, clip-on current transformer
- 3. Unique electrical arc detection algorithm, provides early warning of potential fire hazards
- 4. Granular electrical data enables accurate management of consumption and reduction of carbon footprint
- 5. Alert and notification system
- 6. Automated daily/weekly reports
- 7. Modern web-based data visualisation and analysis app provides unparalleled visibility and access to data
- 8. Open API for integration with other systems



## OUR IMPACT: MEASURABLE REDUCTION IN GHG EMISSIONS & ENERGY CONSUMPTION

Carbon Compass enables mines to shift to renewable energy sources, leading to a significant decrease in GHG emissions.

The transition aligns with global climate targets and improves corporate sustainability standings.

This measurable reduction supports compliance, environmental benefits, and long-term industry sustainability goals.



## MARKET OPPORTUNITY: A GREEN REVOLUTION AWAITING

Carbon Compass targets 50,000+ global mining companies, with a focus on the Australian sector's growing demand for renewable energy integration.

Market opportunity arises from the push for sustainability, offering a competitive edge with ENGIE's renewable energy expertise.

The company aims to enable mining industries to reduce GHG emissions and transition to renewable energy sources.



## CHARTING A COURSE FOR SUSTAINABLE MINING

Carbon Compass collaborates with mining partners to set sustainability standards and drive change in reducing emissions.

The partnership paves the way for actionable insights, innovative technologies, and industry-wide adoption.

Through IoT, AI, and strategic alliances, Carbon Compass leads the path towards sustainable mining practices.



## STRATEGIC PARTNERSHIP & EXPANSION

Proof-of-concept trial with mining partner validates technology for industry-wide adoption and market penetration.

Collaboration success accelerates platform effectiveness and confirms Carbon Compass's sustainability impact in mining sector.

Strategic partnership showcases Carbon Compass's ability to provide actionable insights to reduce GHG emissions.



## INVESTMENT OPPORTUNITY

The \$750K investment (via SAFE) in Carbon Compass will scale operations, enhance technology, and expand market impact for a greener future in mining.

Investors have the opportunity to drive sustainable growth, achieve potential financial returns, and make a global environmental impact.

Carbon Compass aims to revolutionize sustainability in mining with advanced IoT and AI technologies, aligning with climate goals and enhancing corporate profiles.



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#### **FOUNDING TEAM:**

#### **MATT LAMBERT**



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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.

#### **MARK SHAW**



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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.



#### **COMPANY DETAILS**

Carbon Compass Pty Ltd

https://www.carboncompass.io

ACN: 663 168 714

ABN: 98 663 168 714

in https://www.linkedin.com/company/carbon-compass

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