



Empowering a Sustainable Future through Real-Time Emissions Intelligence



Problem and Opportunity

Emissions Monitoring and Reporting Will be Mandatory

Inaccurate measurement will result in substantial costs



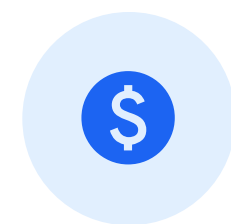
Emissions Reporting Requirements

1. Mandatory Sustainability and CSRD Reports, EEA, EPA, IMO, etc.
2. Recommended: ISO 14064 (GHG Standards), Ship Classification Agencies, ISS, etc.



The cost of monitoring and reporting systems is high

1. Requires special monitoring equipment and Incremental administrative expenses.
2. Estimated annual cost of traditional systems is approximately \$50-75K for each ship, rigs, compression units, etc



The cost of inaccurate data is high, too:

1. Direct Costs: Carbon taxes, remediation plans, etc.
2. Indirect Costs: Doesn't capture all emission reduction benefits

Cyanergy Emission Reporting System is Revolutionary

Machine learning drives down the cost of emission monitoring by >95%.

Accurate measurements create opportunities for carbon credits and offsets and help reduce the cost of carbon emissions.

Reduces compliance costs.



Market Opportunity

Emission monitoring is part of \$1 trillion energy efficiency market

Measuring, recording and verifying (MRV) technology is a greenfield opportunity

Source: Persistence Market and Research.

Industrial engine applications



40,000 Ships
Shipping industry



2,500 rigs
Drilling industry



50,000
Compression Units



Carbon Credit
Markets

The shipping industry generates

940

Million Tons CO2 per year

A 10% reduction would reduce
the carbon cost by approximately

\$9 billion/year



Cyanergy's Solution

Cyanergy uses real-time data to create energy efficiency solutions



Emission tracking

Cyanergy efficiently tracks and monitors emissions resulting from essential activities and tasks, addressing the issue of inefficient energy use.



Activity-emission Link

It seamlessly connects emissions to the specific activities and processes that require power, giving you valuable insights into energy consumption.



Cost integration

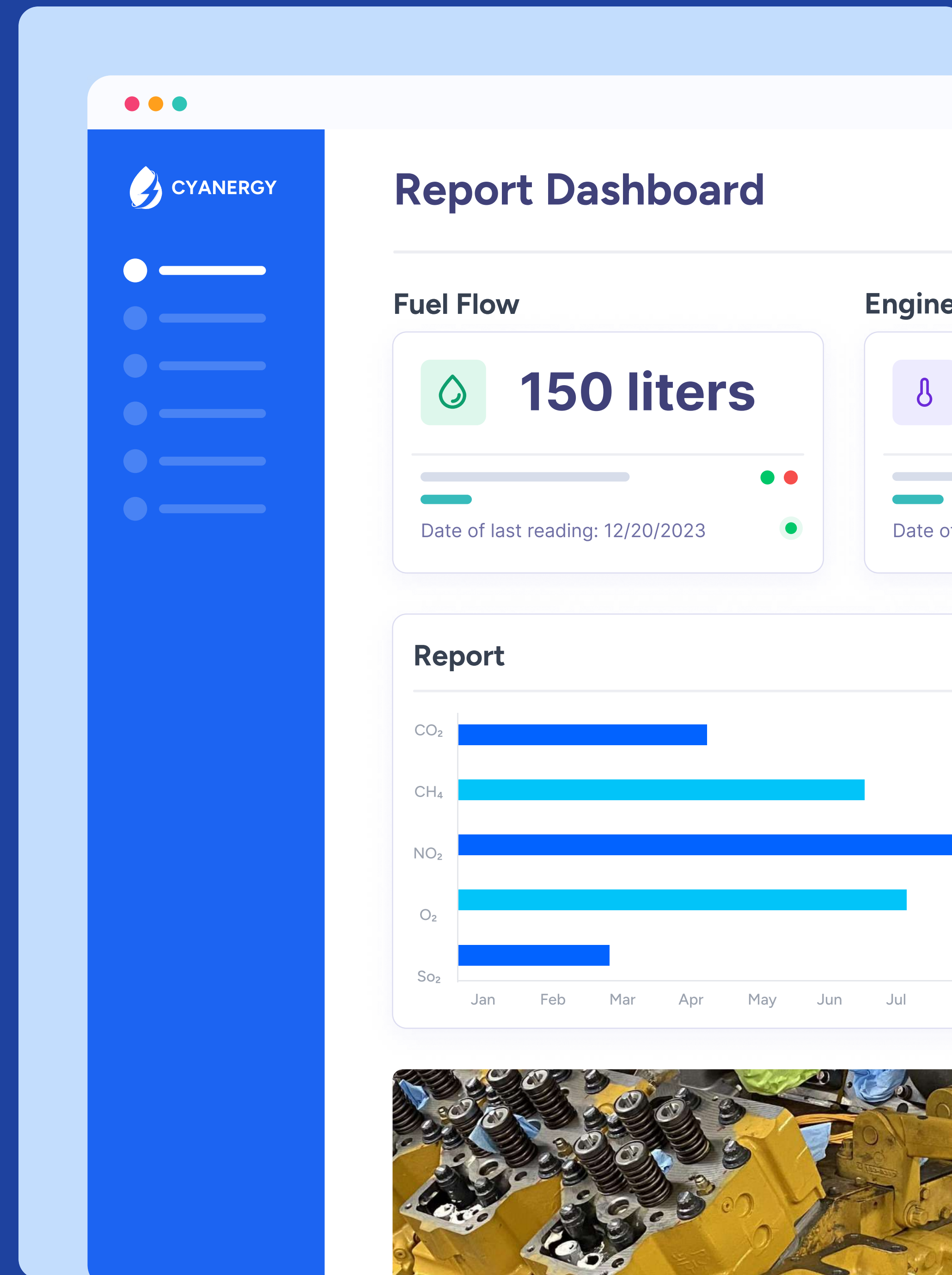
Operators can integrate emission data into cost calculations for various operations such as drilling wells, shipping transportation, and power generation, helping optimize expenditure.



Budget-friendly analysis

Cyanergy offers in-depth analysis capabilities that enable informed capital decisions, even with limited budgets.

Empowering new solutions for a cleaner future!





Value Proposition

Immediate traction

- ✓ Contracted a series of pilot tests with a large customer before the MVP was designed
- ✓ Validated stoichiometric assumptions and data collection
- ✓ Developed operational reports and visualization
- ✓ Improvements in the hardware to make measurements more reliable and accurate

Integrates natively with



Opened doors for new customer and technical opportunities.

Successful pilot tests results in additional 10 new units from the same customer, with an ultimate goal for 35 units

In discussions with two companies with 150 rigs and 150 ships

Designed and built a new generation ECM which is smaller, more reliable and cheaper to build

Collected six months of results: data that will be used to train machine learning software

Validated the SaaS strategy with less capital and lower risk for future investors.

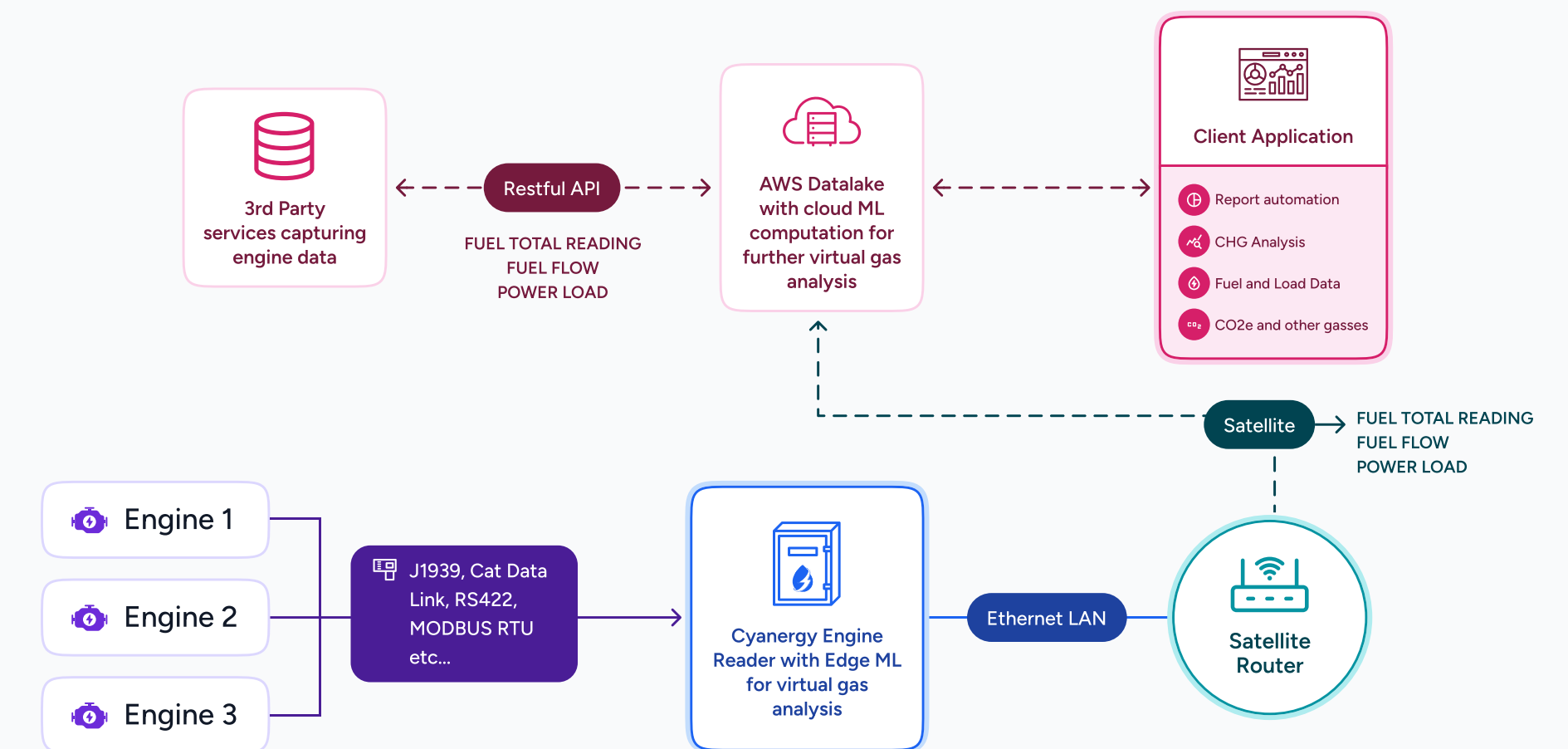
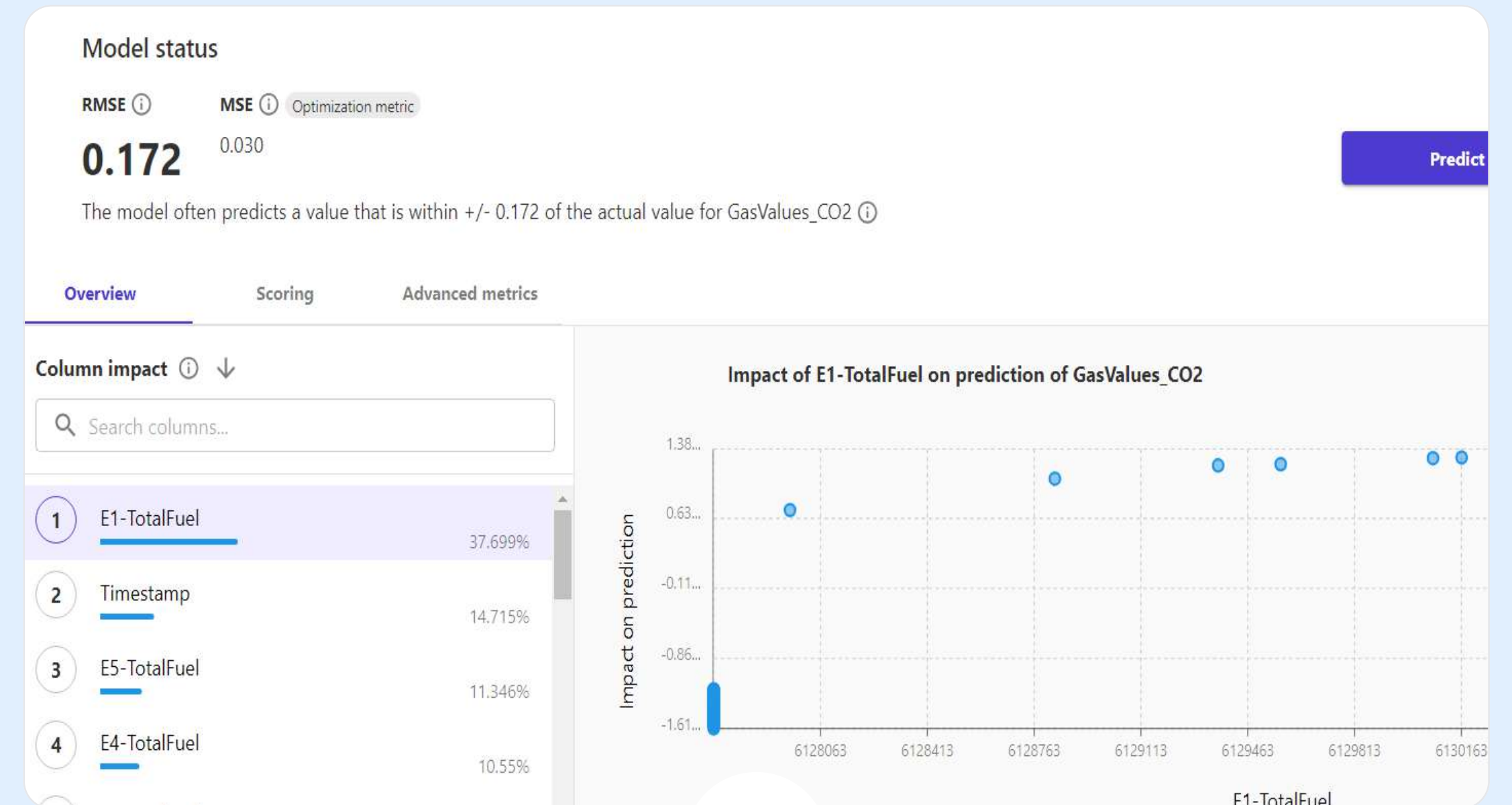


Strategic Breakthroughs

The Future: Low Cost Wireless Mesh Sensors with Machine Learning Algorithms

The new system will reduce our per-unit cost by about 95%

- ★ Creates a new "virtual" gas analyzer
- ★ Time to install: 10 minutes
- ★ Customized data visualization
- ★ Low manufacturing cost
- ★ Lower risk of failure etc.

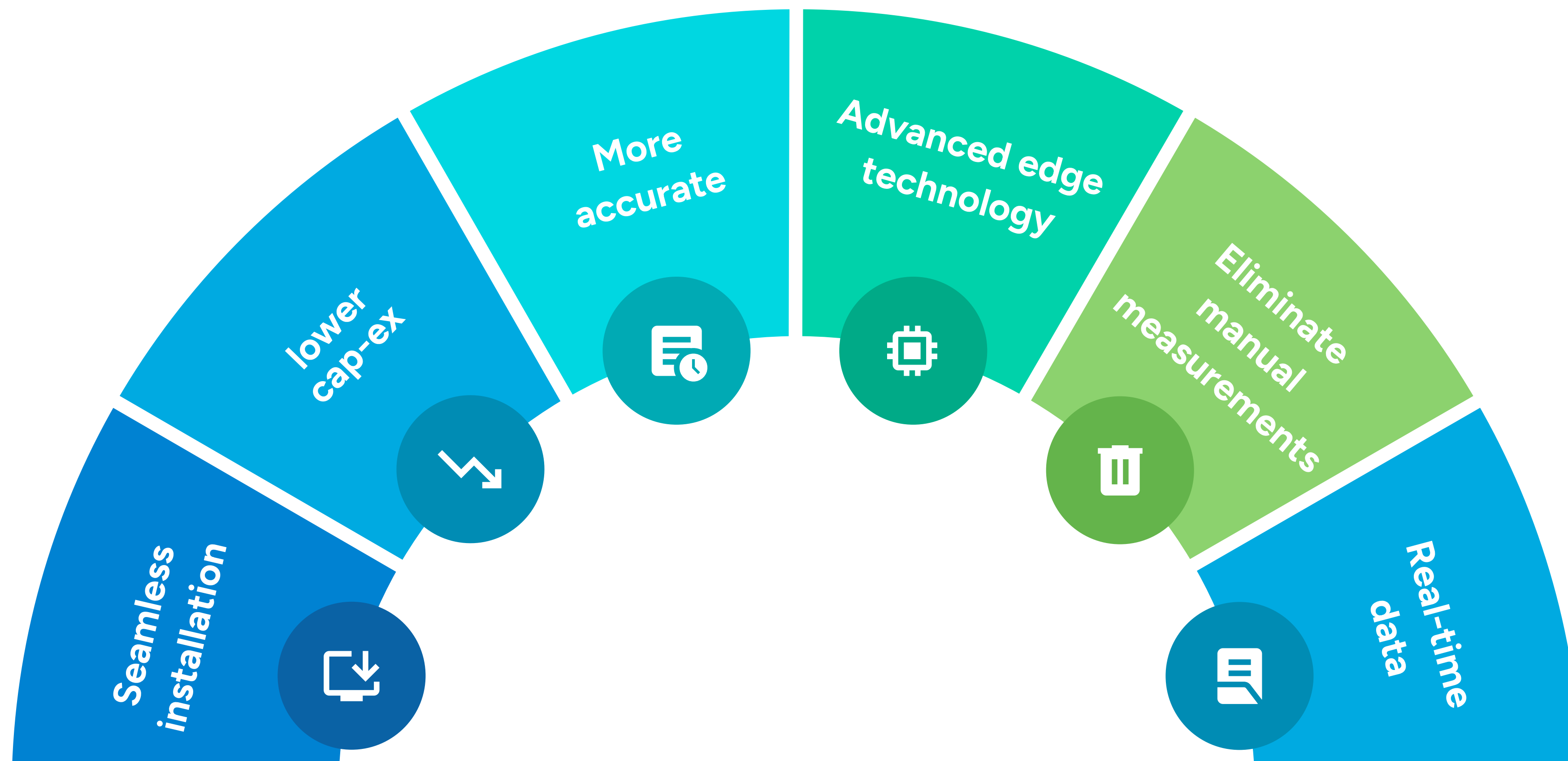




Value Proposition

Meeting customer emission commitments with limited budget

Our solution is equipped with next-generation edge technology, making it adaptable to a wide range of applications. Its “agnostic” nature means that it can seamlessly integrate into various setups, providing flexibility and scalability for businesses.





Our team



CEO & Founder

Steve Manz

CEO and co-Founder of TS Cyanergy, Board Member, Advisor to Start-Ups and International Financial Expert



COD

Roy McIntyre

Twenty years of experience leading land and offshore rig fabrication, factory design and construction, and Business Process Improvement projects.



CTO

Mohammed Khambaty

ex-CTO of an IIoT company with a multi-disciplinary engineering background leading multiple technical teams to product fruition

Partnerships with
Technology Leaders





Funding new ML models to drive down emissions from the largest emitters

\$178K Hardware

- Drives \$586K from Hardware Revenue in 2024.
- OTS components for ECM
- Custom-designed control boards
- Develop relationships with manufacturers

\$265K Testing and Development

- Permits a sea-change in hardware cost structure – from >\$85K per unit to <\$500.
- Virtual Gas Analyzer creation
- Validating stoichiometric models
- Tests on land and marine engines

\$267K Cost of Sales

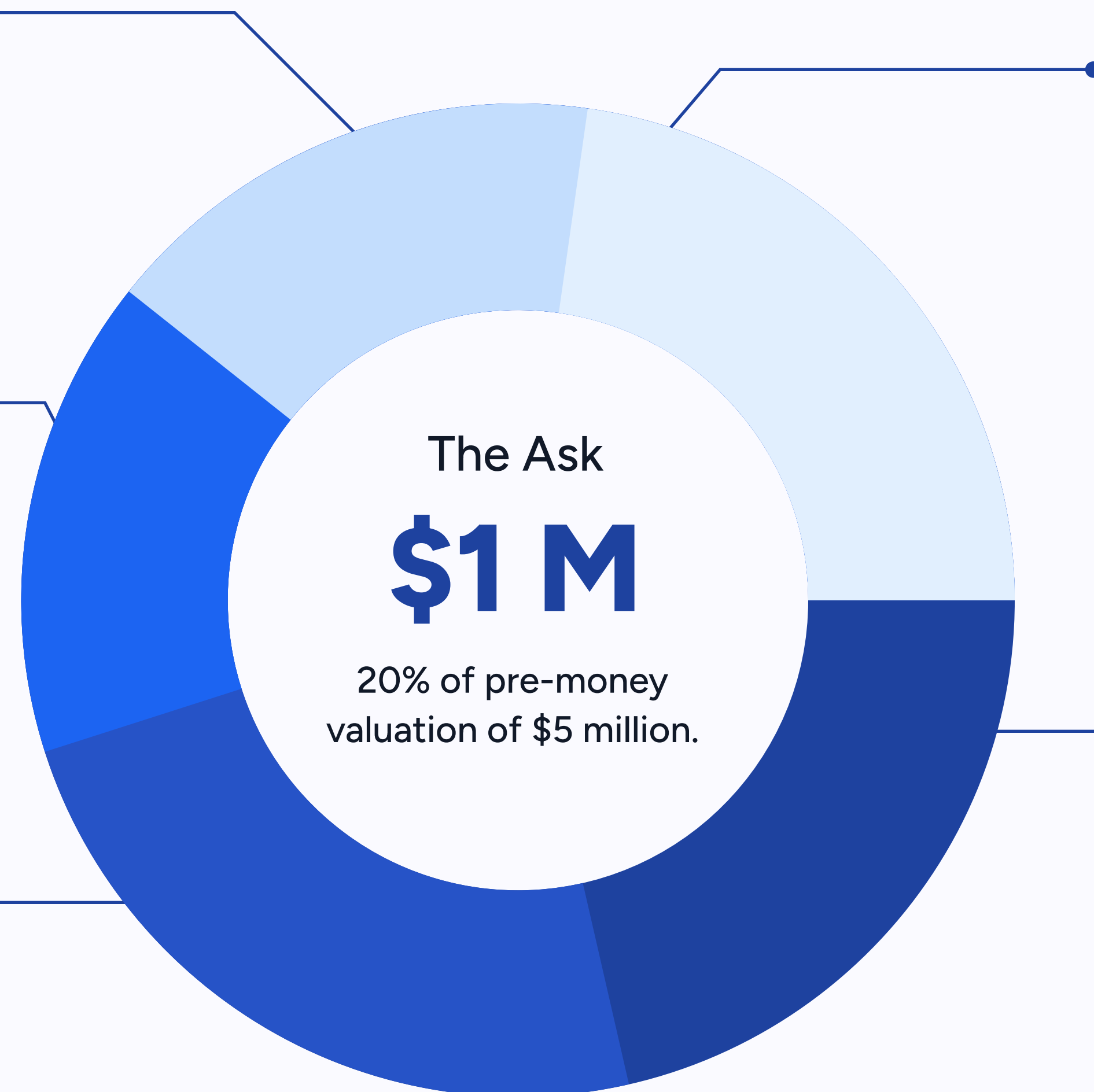
- Drives sales and deliveries to achieve cash-flow breakeven by Q4 '24.
- Salaries, tools, infrastructure
- AWS Hosting fees
- Travel to customer sites

\$155K Software development

- Drives \$360K from software subscription revenue in 2024, growing to 1.6M in 2025 as install base grows.
- More accurate stoichiometric models.
- Customized app for order-taking and Dashboards.

\$135K Professional and Transactional Fees

- Secures future revenue by increasing defensibility and opening shipping and other markets.
- Provisional patent converted to Utility Patent.
- Class 1 Div 2 certification.
- DNV and similar certifications.





Conclusion

Empowering new technologies needed for the \$1 Trillion energy efficiency market

- ★ Cyanergy's machine learning system will cost 95% less than of traditional emissions measurement systems
- ★ The 2050 Net-Zero commitment will require >\$15 trillion investment
- ★ Future orders from the current and two prospective customers would represent 70% of projected revenue through 2026
- ★ Cyanergy's management team boasts extensive experience, backed by prominent technology partners.
- ★ 475% ROI as part of a plausible exit plan, with distributions beginning 2026

