

Realtime

# Emissions

Management



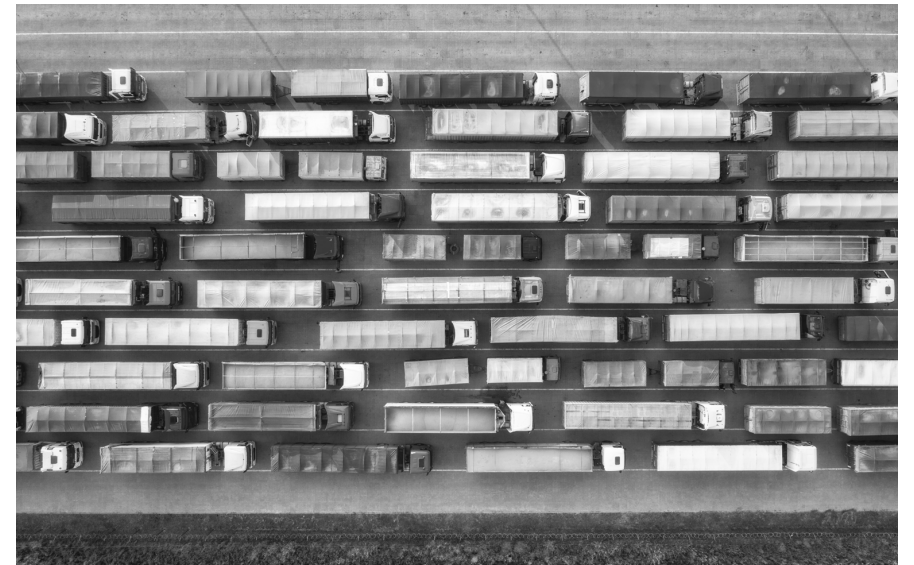
# The Monitizing of Emissions Mitigation Strategies

Give Credit Where It Is Deserved:

Companies that mitigate emissions should benefit financially and be able to confidently publish their auditable, defensible, understandable data.

Real Data = Real Results:

Emissions management drives global governmental policy. Spectaire is the first company to provide a platform for mobile emissions monitoring and measurement on mobile assets .







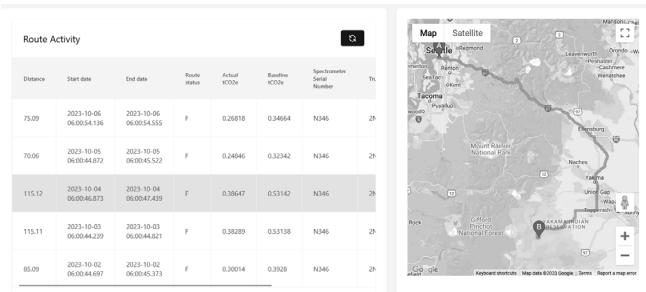
# AireCore from Spectaire

- World's Only Truck Mountable Micro Mass Spectrometer
- Weighs Less than 14kg, deploys in less than 2 hours
- Accurate to 3 parts per million for CO<sub>2</sub>e gases, up to 18 gases sampled per minute
- Provides route based, truck based, fleet-based emissions reports data on demand

# Calculating Co2e from Fuel Usage is Inaccurate

Good

2014 Freightliner Cascadia

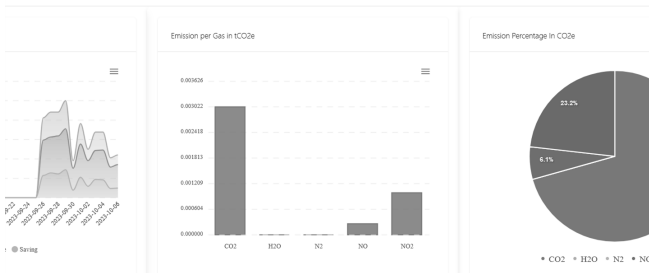


6.32 mpg / 37.21 l/100km

1 tCO2e per 331 miles

Better – 23% Less CO2e

2017 Volvo VN670

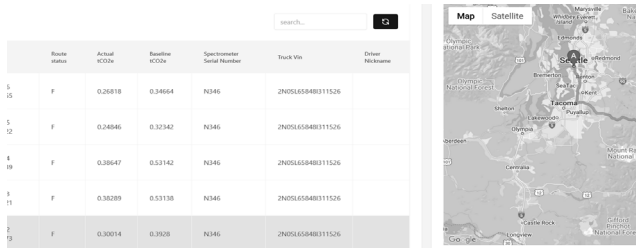
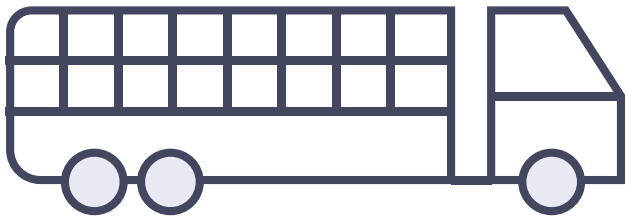


6.51 mpg / 36.13 l/100km

1 tCO2e per 408 miles

Best – 53% Less CO2e

2022 Scania R-Series



6.21 mpg / 37.87 l/100km

1 tCO2e per 509 miles



# Why Proactively Measure Emissions?



## Differentiation From Your Competitors

Proving a Lower Carbon Footprint wins more business

Lower Fleet Maintenance Costs

Measurement of Emissions Mitigation  
Strategy Effectiveness

## Risk Mitigation From Planned Taxes

25 Countries have put a direct tax/toll on carbon emissions up from 7 in 2020.

# Emissions Can Become an Asset

McKinsey & Company / World Economic Forum

Demand Driven Approach for Emissions Reduction

Shippers are willing to pay a premium for sustainable transport offerings if key expectations are met. However, several barriers prevent green transport offerings from fulfilling this need, including a lack of clear and industry-wide standards, and an auditable and defensible method of compelling emissions reporting.

73% of F2000 logistics management departments now require some form of emissions reporting from outsourced trucking operations.

96% report that they pay a premium for reduced emissions inventory results if service quality remains consistent.



# Nestle Is Serious About Emissions

Climate change is now a lived experience, not a future projection. For a company as dependent on agriculture as Nestlé, this matters – greatly – and is why we are so determined to play our part by reaching net zero no later than 2050. -



*Rob Cameron*

Global Head of Public Affairs and ESG Engagement, Nestlé

- Nestle is one of the world's largest logistics investors outsourcing most of their overall operations.
- Nestle has committed to a 50% reduction in emissions by 2030.
- 94.3% of their overall emissions inventory comes from Scope 3 emissions including outsourced logistics.





# Driving Carbon Credits

## Enabling Technology Based Credits with Permanence

Most VCS carbon credits are land use based; however, the permanence of these credits are proving unsuitable to satisfy market demands.

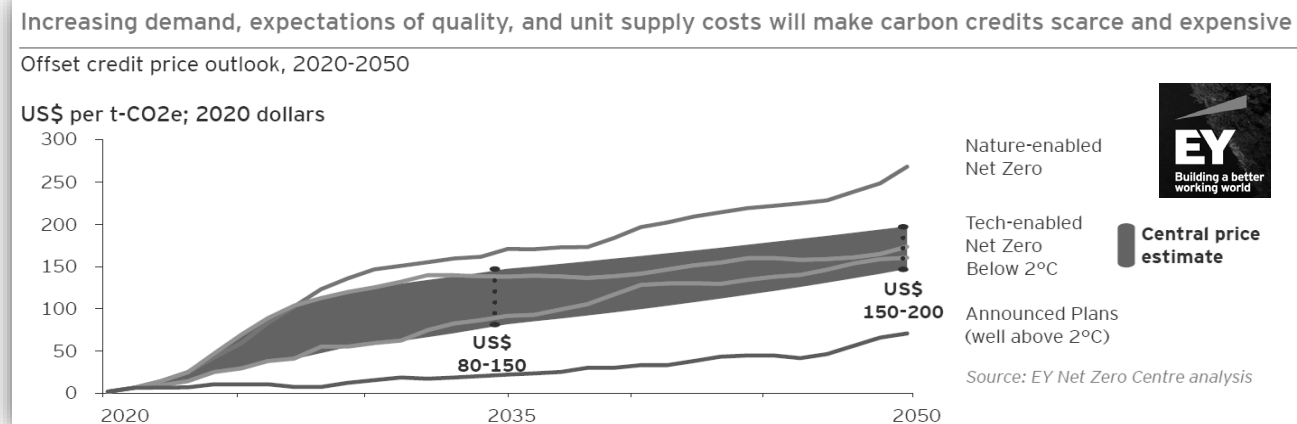
## Demand for Carbon Credits is Increasing

Public disclosure of net zero targets is creating exponential demand growth for carbon credits, Only technology-based credits have the permanence to fill the rapidly expanding demand.



## Spectaire as an Industry Leader

Through our partnerships with carbon credit certifiers and traders as well as the ability to create an auditable trail to technology-based carbon credits we are positioned for industry leading creation of a large volume of credits.



# Verifiably Committed to EU Trucking



Dr. Michael Muller  
CEO Magility GmbH

"Magility GmbH was hired as an independent auditor and evaluator of the current state of the Spectaire AireCore solution in September 2023. We sent a team of specialists including myself in person to survey and evaluate our design, testing, and production manufacturing facilities. Our conclusion is **Spectaire's current offering meets or exceeds the design specifications** and is on a roadmap for full international automotive certification. **We received a clear indication of the quality and accuracy of the AireCore Product**" - Dr. Michael Muller – CEO Magility GmbH

# Strategic Partner - Mosolf

## Pioneer in Leveraging Emissions as a Business Driver

Mosolf has implemented a global policy of the use of measured emissions as one of the key metrics used in decision making across the enterprise whether it be asset purchase/upgrades, driver performance, or customer reporting.

## Investor / Partner / Customer of Spectaire

Mosolf has become a leading strategic partner of Spectaire as an Investor in our business both financially and technologically, our partner in distribution, and a leading customer of our success.

## Dr. Jorg Mosolf, Chairman MOSOLF SE & Co. KG

“When we visited with Spectaire at M.I.T. and saw their technology combined with the applications expertise and certification capability we know we have a long-term partner for success. Mosolf is committed to the utilization of real time emissions measurement at the core of our operations.” – Dr. Jorg Mosolf, Chairman MOSOLF SE & Co. KG







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