

GUIDE

Why Partner With CATAGEN?

Executive Summary

CATAGEN helps OEMs meet emissions targets faster, with higher accuracy and greater flexibility. Our unique OMEGA technology can replicate engine flow rates, temperatures, and gas compositions for any kind of engine. CATAGEN are accredited by UK Vehicle Certification Agency (VCA), Applus IDIADA, TÜV, ATEEL & ECO Cert.

What makes our OMEGA reactor so unique?

The OMEGA technology produces repeatable and reproducible data to meet emissions standards, enabling informed confident decisions on your aftertreatment system.



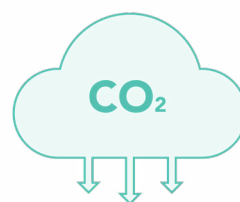
COST SAVINGS

Save up to 30% on aftertreatment testing programs, ensuring cost certainty and eliminating



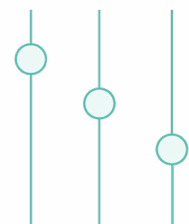
TESTING ADAPTABILITY

The Versatile OMEGA - Synthetic Gas Reactor that handles varying flow rates, temperatures, & catalyst sample sizes.



CO₂ EMISSIONS SAVING

Reduce your CO₂ emissions by up to 98% compared to alternative catalyst testing methods.



PERFORMANCE MEASUREMENT

Industry-leading reproducibility - < Variability in test-to-test results.

Cost Savings

- Unlock up to 30% savings on aftertreatment system testing costs.
- Experience transparent pricing with no hidden fees.
- Say goodbye to fuel expenses and achieve cost savings.

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Testing Adaptability

- Unleash the power of the patented OMEGA synthetic gas reactor for catalyst ageing.
- Streamline your testing process and save valuable time and resources by conducting catalyst ageing without the need for an engine.
- Enjoy uninterrupted and unmanned ageing cycles, available 24/7, to maximise efficiency.
- Experience flexible testing capacity, reducing development time and delivering faster results for our valued customers.
- Embrace versatility with the ability to accommodate full-scale aftertreatment systems and catalysts of all sizes and forms, catering to a wide range of industries & applications.
- Harness the precision of controlled high-temperature ageing, reaching up to an impressive 1100°C, for superior performance and reliability.

CO₂ Emissions Saving

- CATAGEN is a Net Zero Company, committed to minimising its environmental impact by using 100% renewable energy.
- Reduce your CO₂ emissions by up to 98% when compared to conventional catalyst testing methods.
- CATAGEN uses energy-efficient processes and high recirculation rates to minimise gas (fuel) usage.
- Driven by our commitment to clean and decarbonise the air, our purpose guides every decision we make.

Pure Measurement of Performance

- Tap into our extensive in-house knowledge and expertise, over 30+ years of specialization in this field.
- Gain confidence in your data with less than 2% variability in test-to-test results, ensuring reliable and consistent information.
- Experience industry-leading reproducibility, setting the benchmark for accurate and dependable testing.
- Rest assured knowing that our engine-free approach eliminates misfires and engine deterioration, guaranteeing the utmost reliability of your data.