

CATAGEN

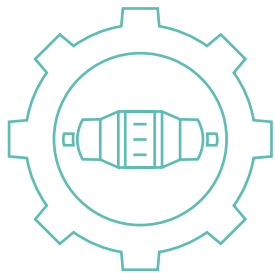
— green emissions testing

GUIDE

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Why partner with CATAGEN?

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 & CETOC Technical Service.



TESTING ADAPTABILITY

Accommodating flow rates from:

10g/s – 120g/s

The Versatile OMEGA - Synthetic Gas Reactor from CATAGEN is designed to be adaptable to your specific testing needs.

- 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.

WHAT MAKES OUR OMEGA REACTOR SO UNIQUE?

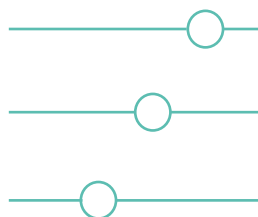
The OMEGA technology produces repeatable and reproducible data, enabling informed, confident decisions on your aftertreatment system.

- 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.

PURE MEASUREMENT OF PERFORMANCE

At CATAGEN, we pride ourselves on delivering industry-leading reproducibility, with test-to-test variability consistently maintained below 2%.

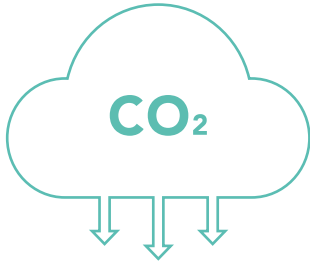
- Tap into our extensive in-house knowledge and expertise, over 30+years of specialization in this field.
- Gain confidence in your data with less than 2% variability in test-to-test results, ensuring reliable and consistent information.



Test-to-test variability
consistently below:

2%

- 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.



CO₂ EMISSIONS

Environmental responsibility is at the core of our approach. With CATAGEN, you can reduce your CO₂ emissions by up to an impressive 98% compared to alternative catalyst testing methods.

- 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.

Reduce emissions by up to:

—
98%

- 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.

COST SAVINGS

CATAGEN specialises in cost-effective testing solutions, providing savings of up to 40% on your testing programmes.

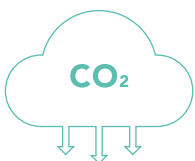
- Unlock up to 30% savings on aftertreatment system testing costs.



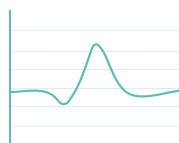
Savings of up to:

30%

- Experience transparent pricing with no hidden fees.
- Say goodbye to fuel expenses and achieve cost savings.



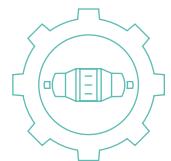
CO₂ EMISSIONS
SAVING



PURE MEASUREMENT
OF PERFORMANCE



COST
SAVINGS



TESTING
ADAPTABILITY



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