

PROCESS GUIDE

Representative Catalyst Ageing Without an Engine

How does CATAGEN age catalysts without an engine?

Using CATAGEN's patented OMEGA technology, a recirculating gas reactor powered by 100% renewable energy, CATAGEN can replicate your engine out emissions, with varying temperatures up to up to 1100°C and a range of flow rates pending on the application. Our processes provide industry leading levels of data quality to help you generate properly aged catalysts and meet emissions standards.

CATAGEN's Process

1



Catalyst hardware arrives for installation. We can adapt any shape or size to fit into the OMEGA. We can instrument the system for temperature and lambda probes if required.

2



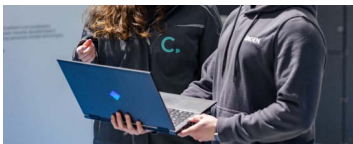
CATAGEN's approach to catalyst ageing allows for reproducibility of data quality. We use our 30+ years of catalysis experience to help determine ageing conditions along with our partners data inputs.

3



CATAGEN Ageing Metric is used to quantify the ageing experience for comparisons, test design and degradation history.

4



Once the ageing cycle commences, we monitor 24/7 with automated alarms that detect catalyst performance to ensure accurate, repeatable & representative ageing. We help you meet emissions targets faster with 24/7 testing and higher accuracy and flexibility.

5



On completion of the testing, we de-mount the system and send back to our partners the same way it was sent to us to ensure you can mount to your engine without issue.

6



When the tests are complete and results are ready. You will receive an in-depth ageing report detailing the ageing experience of your catalyst. reliable aged catalysts and consistent accurate data which can aid with homologation.