

The most important factor to consider when switching suppliers is knowing that the supplier can deliver exactly to your specifications, on time with quality and accuracy.

### 1. Knowledge Exchange

At the start of any partnership, CATAGEN conducts a technical exchange with you and your team to understand your challenges and requirements to develop the first pilot project. CATAGEN is an expert in aftertreatment services and have delivered a range of successful projects, including Full Useful Life (FUL), On Board Diagnostics (OBD), catalyst performance post contamination & golden catalyst replication services. We are a supplier of choice for 20 leading auto and motorcycle OEMs who partner with us for vehicle development programmes and advanced testing and analysis.

### 2. Ageing Requirements

Catalyst to catalyst, our test variability is within 2%. We have the ability to accurately control the whole ageing process leaving little room for variability test to test. Through our bespoke software, we can account for any fluctuations in test conditions and adjust the total ageing time to ensure your catalyst is aged properly per the regulations.

### 3. Fabrication Services

CATAGEN has a skilled fabrication team who can fabricate and instrument your catalyst per requirements. Fabrication services include:

- Instrument the catalyst for temperature and lambda sensors, or other probes required by the OEM.
- The catalyst's geometry can be adapted to fit the whole aftertreatment system onto CATAGEN's OMEGA test reactor.

### 4. Shipping & Delivery of Parts

CATAGEN can take care of all your shipping needs and this can be included in the initial scope of work. We partner with logistic providers and your catalyst can be with us within 2 working days and returned to you fully tested within 4 to 6 weeks. **All parts are inspected, documented and photographed from arrival, throughout testing to return packaging.** Access to all aspects of the project is available via the CATAGEN Data Stream when the project is live.

### 5. Help with Certification

CATAGEN is accredited by two independent governing bodies, the Vehicle Certification Agency (VCA) & Applus IDIADA. We have also supported OEMs with type approval for the US (EPA & CARB), Indian and Chinese regulators.

### 6. Legal – access to proprietary information


Your proprietary information & knowledge is very important to us and we ensure that your information is safeguarded in the form of signed Non Disclosure Agreements (NDAs) and secure data locations.

## Why switch supplier?

Up to  
**40%**  
**Cost savings**  
Energy efficiency (fuel)  
and right first time



**4-6** Weeks  
**Planned availability**  
Time saving vs Internal solution.  
Start within 4 wks of PO  
→ test within 6 wks.



Sub  
**2%**  
**Test to test variability**  
Industry leading levels of reproducibility



**98%**  
**CO<sub>2</sub> emissions saving**  
Energy efficient and  
renewable energy source



### Cost Savings

Our process does not combust fuel. Fuel is a large proportion of the cost of catalyst ageing, without it we can help pass those savings onto our customers which helps make the business case to switching supplier to us. Typically, the savings our customers experience can be up to 40%.

### Planned Availability

Once your catalyst hardware is on site and your data received, we can typically start ageing the catalyst hardware within 4 weeks of purchase order. If we consider an average Standard Bench Cycle (SBC) of 175hrs, your hardware could be back to you within 6 weeks. **Helping you meet your project delivery date.**

### Data Quality

Only CATAGEN can provide industry leading levels of reproducibility, ensuring sub 2% test to test variability. The CATAGEN team are leading catalyst experts solely focused on catalysis and emissions control.

### CO<sub>2</sub> Saving

We displace up to 98% of the CO<sub>2</sub> that is traditional produced in ageing catalysts. The supply chain is the number one area an OEM can reduce their overall CO<sub>2</sub> footprint. As a key supplier we offset CO<sub>2</sub> to allow partners to facilitate their strategic roadmaps.

### Time saving vs internal solution -

CATAGEN provides OEMs with flexibility when their internal testing capabilities are stretched or overbooked. This flexibility allows you to save time, not only with catalyst ageing but overall development time, allowing you to realise revenue faster. Internal resources can be re-utilised to work on other key projects or areas.