

# Manage your mining machinery emissions and improve productivity.

Exhaust Control Industries are leaders in emission treatment technologies and offer unique and affordable solutions for the safe and effective treatment of diesel exhaust pollution.

**ECI is the recognised leader in air and noise pollution control in Australia, with over 30 years of excellence, Australian owned and operated.**

We cater to broad sectors including building construction, industrial, above and underground mining, on and off road transport and power generation providing a full service offering – Tailored design, manufacturing, installation, service and maintenance.

Our range of catalyst products have the latest catalytic coatings and substrate technologies available, to suit your diesel fleet, from 50 HP to 5,000+ HP engine applications.

Products include Specialised Catalyst Coatings, Diesel and Gas Engine Oxidation Catalyst, Predator Diesel Particulate Catalyst, Diesel Particulate Filters and Integrated Catalytic Mufflers.



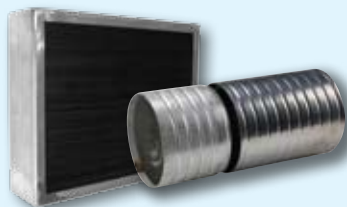
#### ON-SITE ANALYSIS

Conduct on site exhaust inspections and testing using the latest **Kenelec Scientific** testing equipment. Your vehicles can be tested on site without any disruption with instant results.



#### MEASURED RESULTS

Graph your test data and provide the right product recommendations to achieve safe emission levels and increased productivity.



#### PRODUCT SOLUTIONS

Tailored product solutions to reduce emissions on your entire diesel fleet.



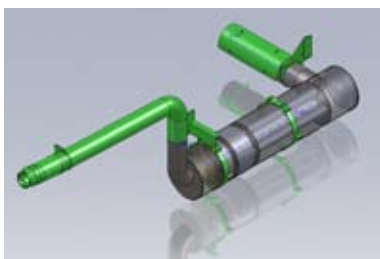
#### TOTAL PREVENTATIVE MANAGEMENT

Product selection, installation and on going product support and testing.

#### ECI PREDATOR

ECI Predator is a 2 stage flow through filter structure that can be easily fitted to your exhaust. It consists of a specifically catalytic coated stainless steel DOC and PREDATOR stainless steel screen mesh substrate which traps and oxidizes DPM whilst simultaneously reducing CO and total NO<sub>2</sub> in the exhaust gas. Benefits include:

- Reduces diesel smoke and particulate matter emissions up to 80%
- No loss in engine power when correctly sized and fitted
- Maintenance free with low sulphur fuels
- High resistance against thermal and mechanical shock loading
- Can be custom retrofit to Silencers and Machine Mufflers
- Designed to suit some of the toughest applications
- Independently tested and verified by NATA Certified Vipac Australia.



#### ECI ARMOUR TECH DPF

The Armour Tech DPF offers the highest DPM reduction performance available with a regeneration temperature as low as 250 degrees Celcius.

The latest technology Metal DOC substrate matrix provides optimum heat and mass transfer capability, superior strength and high resistance to thermal shock, coupled with a tailored catalytic wash coat to meet legislative requirements to limit the increase of NO<sub>2</sub> from DPF systems.

The DPF is "state of the art" silicon carbide (SiC) technology with optimised wash coating to continuously reduce PM emissions by up to 99.96% while keeping back pressure in the exhaust low.

- Superior CO and DPM Emissions Reduction by up to 99.96%
- Low Regeneration Temperature of 250 degrees Celcius
- Modular Design for large and difficult retrofits
- The latest technology in Catalytic Wash Coats for NO<sub>2</sub> optimisation
- Heavy Duty Housing Construction
- Designed and built for the toughest underground mining regulations worldwide.

