

# We're here to get you there...



Phases 3 and 4 of the London Low Emission Zone (LEZ) start on 3 January 2012. Vehicles do not have to be replaced to meet the new LEZ requirements, the scheme rules allow vehicles to be upgraded using retrofit emissions technology. Eminox has two Transport for London (TfL) approved full filtration systems that can upgrade your vehicles' emissions to the required standards, offering a cost effective route to compliance.

**Phase 3:** Extends the range of vehicles affected to include vans from 1.2 tonnes and minibuses with 8+ seats.

**Phase 4:** Sets a tougher standard of Euro 4 PM (Particulate Matter) for buses, coaches and trucks over 3.5 tonnes.

The Eminox Continuously Regenerating Trap (CRT) and Fuel Borne Catalyst (FBC) are approved for Low Emission Certificate (LEC) and Reduced Pollution Certificate (RPC) certification. Either of these certificates allows your upgraded vehicles to travel in London without incurring LEZ daily charges or fines.

Phase	Vehicles	Implementation Dates	Minimum Standard
LEZ Phase 1	HGV >12t	February 2008	Euro III PM
LEZ Phase 2	HGV 3.5 - 12t Buses Coaches	July 2008	Euro III PM
LEZ Phase 3	LCV 1.2 - 3.5t Minibuses (8+seats)	January 2012	Euro III PM
LEZ Phase 4	HGV >3.5t Buses Coaches	January 2012	Euro IV PM



Vehicles that do not meet the emissions requirements of the LEZ are allowed to drive in London by paying a daily charge of £200. This means retrofitting can become more cost-effective at 15 - 20 journeys inside the LEZ. Operators who don't pay the daily charge when required, are subject to a fine of £1000.

Please visit [www.tfl.gov.uk/lezlondon](http://www.tfl.gov.uk/lezlondon) for full details.

Eminox has been designing and manufacturing exhaust and emissions products in the UK for more than 30 years. We have three UK Service Centres, one conveniently located just outside the LEZ only 6 miles from Heathrow, where our trained technicians install, service and support our products.

Plan your retrofit today, talk to our dedicated LEZ team for specialist advice on how to meet LEZ requirements.

North Warren Road Gainsborough DN21 2TU United Kingdom

Freephone: **0808 156 2012** Email: [lez@eminox.com](mailto:lez@eminox.com) Web: [www.eminox.com](http://www.eminox.com)

Tel: +44 (0)1427 810088 Fax: +44 (0)1427 810061 Follow us on Twitter: [twitter.com/Ask2012LEZ](https://twitter.com/Ask2012LEZ)



**Eminox**



### The Eminox CRT® system:

- Virtually eliminates particulate matter, hydrocarbons and carbon monoxide.
- Combines an oxidation catalyst with ceramic closed filter technology.
- Particularly effective in removing ultra-fine particles (below one micron) which are considered the most damaging to health.
- Has been used for environmental programmes in towns and cities across Europe.
- Supplied with an Electronic Service Indicator (ESI) to give visual alerts on maintenance requirements.
- Highly effective, durable and proven technology.



Approval number  
LE201-02



### The Eminox FBC system:

- Can reduce Particulate Matter emissions by more than 90%.
- Uses a silicon carbide filter to trap particulate matter including ultra fine particles.
- Copes with the higher particulate emissions of older engines.
- Compact system uses Satacen®3 fuel additive instead of a catalyst section.
- Assisted Regeneration controls back pressure and avoids potential filter blocking.
- Supplied with an intelligent dosing system using a low dosing rate
- Built in visual warning functions to give alerts on maintenance requirements.
- Simple robust design for durability.



Approval number  
LE201-01



Not all LEZ approved systems are the same, previously approved partial filter systems are not allowed for Phases 3 and 4 because they only give a small improvement in PM emissions. Eminox CRT and FBC systems give more than 90% PM reduction and so allow vehicles as old as Euro 1 to meet the Euro 4 PM requirements. We successfully upgraded thousands of vehicles to meet Phase 1 and 2 LEZ requirements, and are providing ongoing support and maintenance.

We have systems available for the following truck, bus and coach manufacturers:

**Volvo, DAF, Scania, Mercedes, MAN, Iveco, Renault, VDL Bus, DAF Bus, Alexander Dennis, Dennis Eagle, Seddon Atkinson, Bova, Optare, Neoplan, Setra**

At Eminox Service Centres, we can carry out LEC or RPC testing along with system installation, we inform the Vehicle and Operator Services Agency (VOSA) that your vehicle has been upgraded to meet the LEZ requirements and they will send you your certificate and update TfL's database.

Systems need to be maintained to keep their LEZ approved status. Eminox offer the next generation of filter servicing using the patented Xpurge® cleaning technology and Veritex® inspection technology. This technology is more effective than conventional methods and can prove the condition of the filter. Our filter exchange packages, designed to minimise downtime, are available from all Eminox Service Centres.

For further help and advice, on the best solutions for your vehicles, contact our dedicated LEZ team:

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