



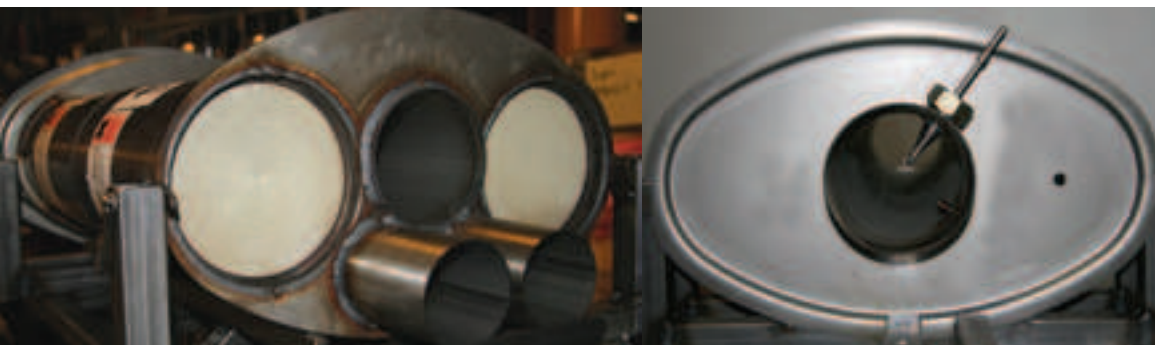
## DiNOx<sup>®</sup> - the EURO VI Upgrade

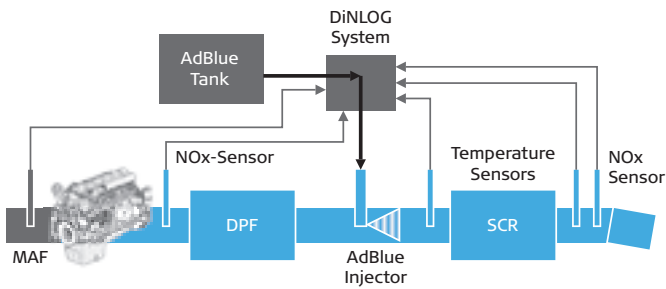
The DiNOx<sup>®</sup> technology is especially useful in retrofit applications or to shorten the development time for OEM's on engine upgrades. What makes this system unique is the emission reduction in two stages. In the first stage, there is a ceramic filter DiSiC<sup>®</sup> or DiPEX<sup>®</sup>, in which up to 99% of the particulates are collected and catalytically burned. Residual hydrocarbons (HC) and carbon monoxide (CO) are also burnt in the same stage. In the next stage, the amount of NOx in the exhaust gases is measured and the correct amount

of urea, known as AdBlue, is injected. In a selective catalytic converter (SCR), the Adblue reacts with NOx to form nitrogen and water and thereby ensure an 80% or above NOx reduction.



The system is a stand alone system and does not need information from the engine to get the high conversion rate of NOx. This makes it a system that is very easy to adjust to any kind of diesel engine and application. The result is not only environmentally beneficial but also visually, since the exhaust smoke, from buses for instance, is almost invisible.





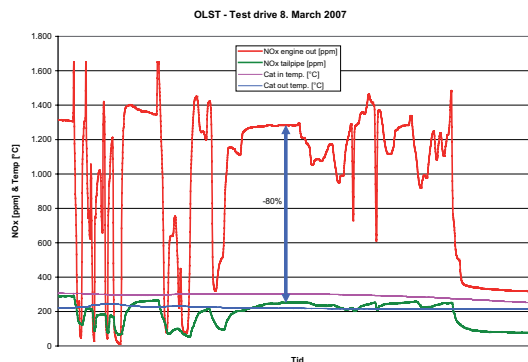
The DiNOx® system has been undergoing various laboratory tests, and in addition, real life installations have produced excellent results. Our DiNOx®-system primarily consists of:

- DPF
- Exhaust pipelines
- Urea storage tank
- Urea injection and control system
- Sensors
- SCR
- DiNLOG® - system management

Dinex develops and designs the DiNOx® system with specific applications to fit any vehicle, and it is already successfully operated in several fleets around Europe.

Examples include the well-known London sight seeing buses, city buses

in Germany, Holland and Denmark. A number of refuse vehicles around Europe have also benefitted from the DiNOx® system - and thereby the fleet owners avoid investing in new expensive special vehicles for these jobs.



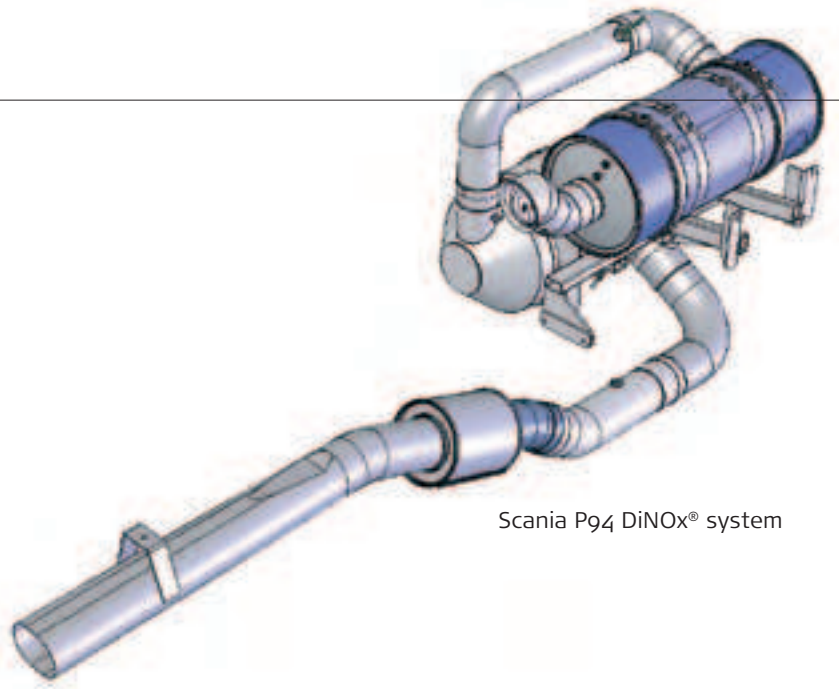
Remote programming ensures high NOx reduction rates, which can be viewed live on the internet.



Refuse vehicle with DiNOx® EURO VI upgrade

**KEY CHARACTERISTICS**

- Reach EURO VI and EEV-emission levels on-road and Tier IV off-road.
- Gives high efficiency in most applications on all exhaust gasses.
- Easy to adapt to different engines and applications.
- Adblue (Urea) Additive.
- Allow vehicles into city centres.
- No engine mapping necessary - real time performance.



Scania P94 DiNOx® system



DiNOx® - EURO VI, no soot



EURO IV, PM is reduced in size, but not in number

