

Off-road retrofits!

With NOxBUSTER®
DPF + SCR systems


PROVENTIA



Nitrogen oxides (NO_x) along with particulate matter (PM) are the two most harmful pollutants from diesel engines for health and the environment. Today's international emission standards for off-road machines guarantee that new machines meet the requirements of health and safety legislation. However, it is the older machinery operating without exhaust aftertreatment devices that is responsible for polluting the local air.

In many completely or partially enclosed areas, such as mines, tunnels, construction sites and warehouses, the use of exhaust aftertreatment systems is mandatory. The growing awareness of the hazards of NO_x

and PM has led to a practice where many contract projects require low-polluting machinery from bidders. Investing in new machinery is a slow and expensive process, but equipping machines with an effective retrofit exhaust

aftertreatment system, such as Proventia NOxBUSTER® DPF+SCR, is a quick and cost-effective way to bring your machine up to date in terms of exhaust emissions and increase the service life of older machines.



Retrofit

Upgrade your machine with world-leading retrofit technology

For NO_x reduction, we have successfully used SCR technology in OE applications, supplying systems for machine manufacturers for years. The same technology

has also proven to be effective and reliable in retrofitting. With Proventia NOxBUSTER® DPF + SCR, upgrades up to the Stage 4 Final emission rating are possible.

Proventia NOxBUSTER® combines selective catalytic reduction (SCR) technology for efficient NO_x reduction with diesel particulate filter (DPF) technology for PM reduction.

Specifications & Benefits

- For off-road machines >130 kW
- NO_x reductions of over 90%
- PM reductions of over 90% with optional DPF
- Reliable operation
- Application-specific canning and piping
- Optional heated urea lines for challenging circumstances
- Optional PROCARE™ Drive NO_x emissions tracking system for 24/7 online NO_x and exhaust system performance monitoring
- Upgrades up to Stage 4 Final possible
- Proven results from OE machinery and global on-road retrofit projects
- Cost-effective way to increase the service life of older machines

Proventia NOxBUSTER® DPF + SCR uses urea (AdBlue®) to reduce NO_x over an SCR catalyst. Combined with the PROCARE™ Drive NO_x emissions tracking system, fleet operators or authorities can monitor the amount of NO_x emitted and the performance of the machines' exhaust aftertreatment system in real time.

