 Electric Power Generation

NOxProtekt Ltd are a designer and manufacturer of bespoke NOxProtekt Selective Catalytic Reduction Systems for the reduction of NO and $\mathrm{NO}_{2}$ from Diesel, Gas and Bi-Fuel Engines.

Specifically designed and manufactured to cope with the harsh thermodynamic loading of continuous operation at fixed speed with high impact transient loading associated with Power Generation

Applications.

$\frac{\text { NOxProtekt Ltd }}{\text { 10-12 March Street, Sheffield, England S9 5DQ }}$


## NOxProtek $\dagger$ Ltd

Specialists in the Control of Pollution

NOxProtekt Systems Provider


NOxProtekt


## Performance

The NOxProtekt System is a form of bespoke Selective Catalytic Reduction system that offers a selection of options for conversion of NOx to harmless Nitrogen and Water, for specific engines. The catalyst selection and sizing process is dependent on the specific characteristics of the engine and installation, which NOxProtekt Ltd will advise using our in-house technical support and engineering department, to provide the most suitable performance at the most cost-effective price for your specific installation.


Specific Performance will be selected and refined for your application.

## NOxProtekt

## Product Offerings



## NOxProtekt=1

The NOxProtekt Series 1 Catalyst offers a typical NOx conversion of $65 \%$.

## NOxProtekt=2

The NOxProtekt Series 2 Catalyst offers a typical NOx conversion of $80 \%$.

## NOxProtekt-3

The NOxProtekt Series 3 Catalyst offers a typical NOx conversion of 90 to $95 \%$.



NOxProtekt System
How it Works: AdBlu/Urea is injected upstream of the catalytic reactor chamber to convert NOx to Water and Nitrogen and released to atmosphere.

$\mathrm{CO}\left(\mathrm{NH}_{2}\right)_{2}+2 \mathrm{H}_{2} \mathrm{O} \rightarrow 2 \mathrm{NH}_{3}+\mathrm{CO}_{2}+\mathrm{H}_{2} \mathrm{O}$
$4 \mathrm{NH}_{3}+4 \mathrm{NO}+\mathrm{O}_{2} \rightarrow 4 \mathrm{~N}_{2}+6 \mathrm{H}_{2} \mathrm{O}$
$4 \mathrm{NH}_{3}+2 \mathrm{NO}_{2}+\mathrm{O}_{2} \rightarrow 3 \mathrm{~N}_{2}+6 \mathrm{H}_{2} \mathrm{O}$

## Contact Us

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