



Emissions



Lean, Clean and Green Solution

Our on-board and on-demand HRN3 hydrogen generator is designed for use on all internal combustion engines, diesel or petrol, mobile or static and reduces the following emissions:

- CO₂ (Carbon Dioxide)
- NO_x (Nitrogen Oxide)
- PM (Particulate Matter)
- CO (Carbon Monoxide)
- HC (Hydrocarbon)



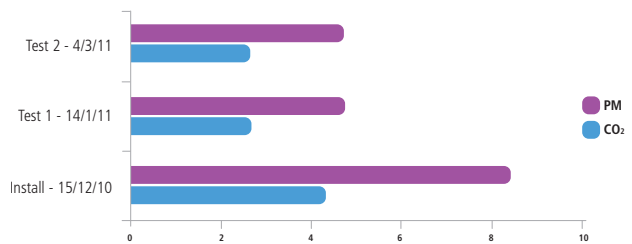
The HRN3 scavenges the unburned fuel inside the piston and cylinder head combustion chamber and, via the use of the engines own isotherm or ignition system, the unburned fuel which normally is pumped into the atmosphere through the exhaust, is ignited in the initial isotherm or ignition reaction. The cycle results in the engine burning the fuel more completely within the cylinder and cylinder head combustion chamber, thereby reducing unwanted emissions, improving power and potentially increasing fuel efficiency.

h2gogo in Action

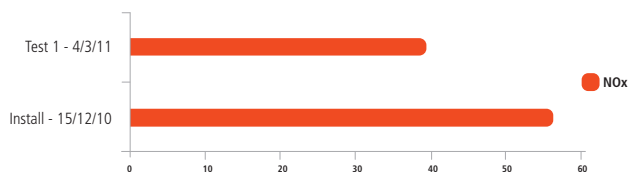
The following graphs show the reduction in emissions achieved during recent customer trials using three stop/start vehicles. Each vehicle has dramatically reduced emissions with figures up to 40% in CO₂, NO_x, HC and PM.



BAA
PM & CO₂ Reduction
Mercedes 2009
stop/start dust cart



BAA
NO_x Reduction
Mercedes 2009
stop/start dust cart

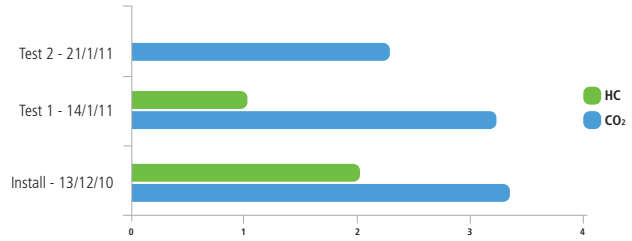


Any **type of engine** with h2gogo gives **more power** with **less emissions** and may help save fuel



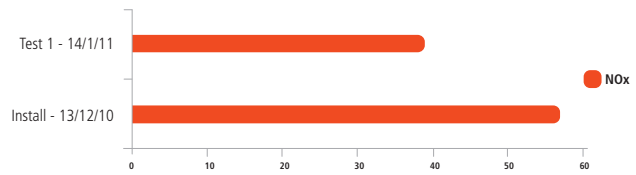
GRUNDON

HC & CO₂ Reduction
Dennis Dust Cart 2007



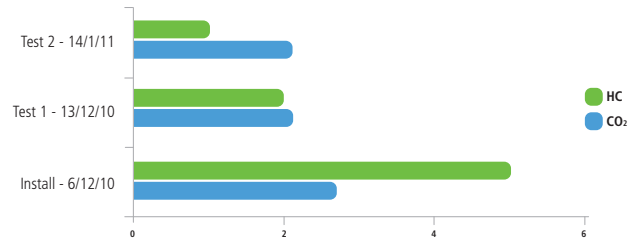
GRUNDON

NO_x Reduction
Dennis Dust Cart 2007



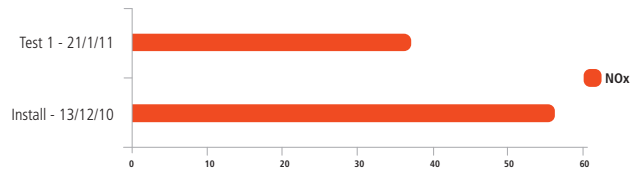
GRUNDON

HC & CO₂ Reduction
DAF Rolonoff 2007



GRUNDON

NO_x Reduction
DAF Rolonoff 2007

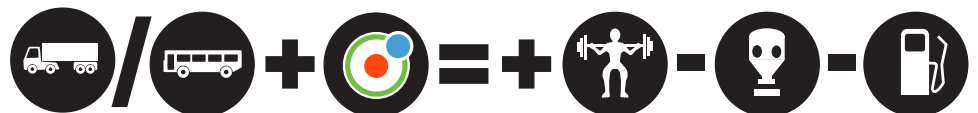
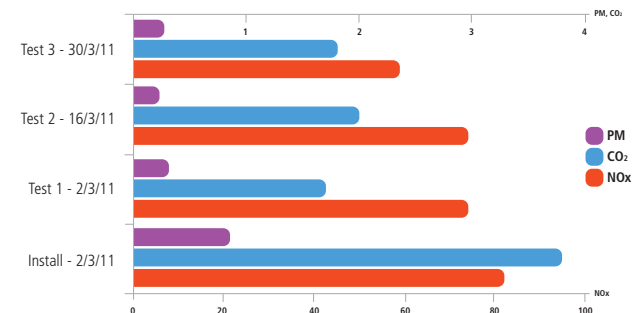


These results can be achieved on petrol and diesel engines across a wide range of vehicle and static machinery applications. Visit our website www.h2gogo.com for more information.

Call us today on +44 (0)1494 817 174 or email info@h2gogo.com and we can discuss your engine requirements and how you can benefit from reduced vehicle and plant emissions.

The following graph demonstrates the emission reductions from a Ford Transit 2.2 turbo diesel vehicle – up to 70% in PM, 50% in CO₂ and 30% in NO_x.

PM, CO₂ & NO_x Reduction
Ford Transit 2008
Stop/start engine
12 volt system



Any type of engine with h2gogo gives more power with less emissions and may help save fuel