

### **What is *HydroGen*<sup>TM</sup>?**

*HydroGen*<sup>TM</sup> is an autonomous electrolyser that produces Oxyhydrogen gas from distilled water, using between 6 and 12 amps. The gas mixture is introduced to the engine through the air intake, resulting in an accelerated burn causing a reduction in fuel consumption and emitted emissions. *HydroGen*<sup>TM</sup> is fitted for less than a day and requires no engine adjustment or attention from the client. Early-stage prototypes of the units have been trialled for four years in the UK and the final version of *HydroGen*<sup>TM</sup> is now available.

### **How is *HydroGen*<sup>TM</sup> technically innovative?**

The focus on implementing Oxyhydrogen gas and utilising the benefits of pulse electrolysis. Our electronic control unit manages safety features and ensures that the quantity of Oxyhydrogen produced is defined by the requirements of the engine. There is no need for end-user supervision for the benefits to be actualised, and are compatible with any engine. A Telematics monitoring and reporting system is also included.

### **What are the benefits of *HydroGen*<sup>TM</sup> to the client?**

- Fuel Saving 14-29%
- Emissions reduction up to 80%
- Less frequent DPF changing or regeneration

### **What are the benefits of *HydroGen*<sup>TM</sup> to the environment and society?**

Adopting a Pre-combustion solution instead of capturing or altering emissions will prevent air quality deteriorating in the long-term, thereby protecting our quality of life.

### **What is the market for *HydroGen*<sup>TM</sup>?**

The market size can be valued nationally at £1 billion and the internationally at £12.37 billion.

### **What is the competition does *HydroGen*<sup>TM</sup> have?**

Direct competition from Atmos Clear (previously Cgon) and indirect competition from Ulemco.

### **How much does *HydroGen*<sup>TM</sup> cost?**

£1,500 delivery and installation per system, along with a monthly licensing fee of £150 per vehicle which includes all necessary consumables and servicing.

### **Why is investment needed for *HydroGen*<sup>TM</sup>?**

The R&D phase to be completed alongside academic partners - £300,000.00

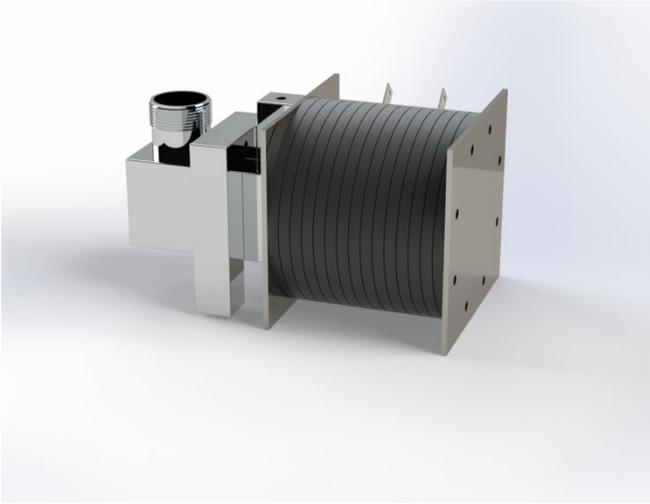
A Workshop to be established - £425,460.00

Accreditation and Marketing toolbox - £718,080.00

**Total Investment Required - £1,448,500.00**

# HydroGen™

## Oxyhydrogen Injection Technology



- ✓ Reduced Emissions
- ✓ Reduced Maintenance
- ✓ No vehicle modification
- ✓ Improved Fuel Efficiency
- ✓ Available for all kinds of engines

### Utility Vehicles

- ✓ Less Frequent DPF regenerations
- ✓ Continuous engine cleaning
- ✓ Telematics monitoring and reports



### Agriculture Vehicles

- ✓ Farming for A Better Climate
- ✓ Durable and Reliable
- ✓ 24/7 Support

Southfield, Lingard Street  
Barnsley, S75 2SW  
Email: [office@waterfuelengineering.com](mailto:office@waterfuelengineering.com)  
Tel: 01226 213 314

