

# The Engines That Run the World. Made Cleaner. Now.

SGT GreenDrive™: Decarbonisation-as-a-Service



**Emerald**  
**Fuel**Systems

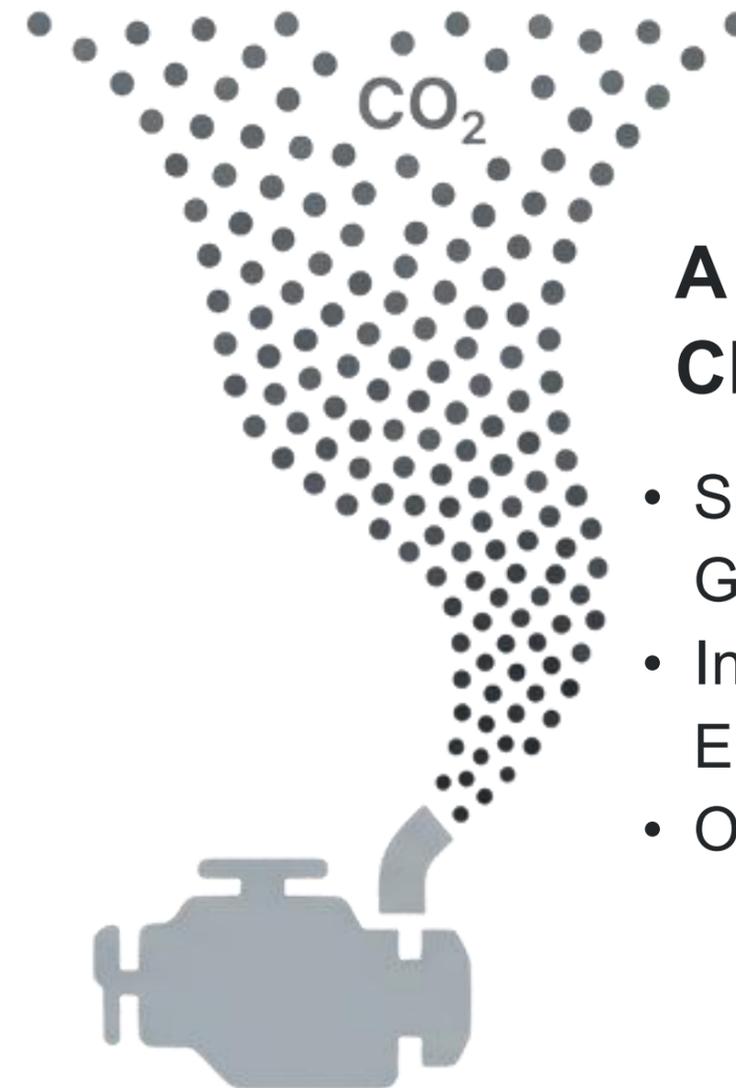
# The Diesel Dilemma

Diesel engines are indispensable to economic activity and are among the largest sources of avoidable greenhouse gas emissions.



## POWERING GLOBAL INFRASTRUCTURE

Logistics & Public Transport  
Construction & Mining  
Agriculture & Distributed Infrastructure



## A MAJOR CLIMATE CHALLENGE

- Significant Greenhouse Gas Emissions
- Increasing Regulatory & ESG Pressure
- Operational Inefficiencies

# The Two Extremes That Fail to Scale

For years, the global response has forced a choice  
between  
two slow, costly, and often ineffective solutions.



## REPLACE

Replace engines entirely with new technology.

- Slow, extremely expensive, unrealistic at scale.



## TREAT

Add complex post-emission treatments.

- Costly, complex, and can increase total tCO<sub>2</sub>e.

# Rethinking Decarbonisation from First Principles

**How do we make the engines  
already running cleaner -  
immediately, safely, and  
profitably?**

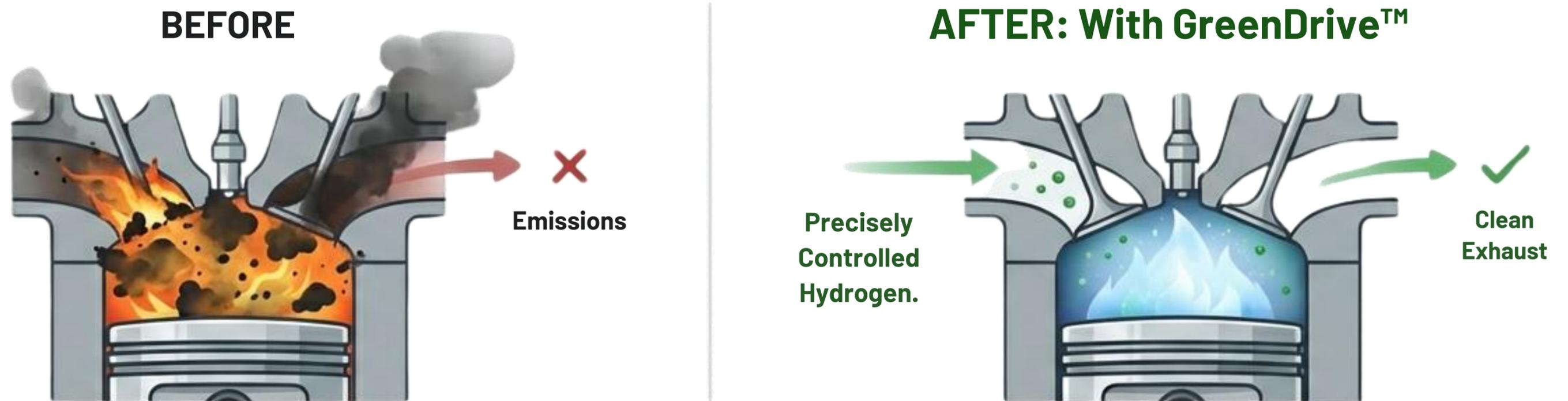
Introducing SGT GreenDrive™.

Not a replacement. Not an after-treatment.

A fundamental combustion improvement system.

# We Don't Treat Emissions. We Prevent Them.

GreenDrive improves how fuel burns inside the engine itself, addressing pollution where it is created.



At the heart of GreenDrive is upstream combustion optimisation. By introducing precisely controlled hydrogen-assisted combustion, we achieve:

- Improved fuel burn efficiency
- Reduced incomplete combustion at source
- Lower system-level CO<sub>2</sub>e



# GreenDrive™: Optimised for Logistics & Transport

A compact, robust system designed for seamless integration with trucks, buses, and commercial fleets.

- ✓ Non-invasive and OEM-friendly installation.
- ✓ Fully digital and IoT-enabled for remote monitoring.

Minimal driver involvement (occasional water refill).

# SGT GreenDrive™ For: Powering Heavy-Duty Industry

Scalable, high-output performance for the most demanding applications in mining, construction, and agriculture.

- ✓ Engineered for extreme duty cycles and loads
- ✓ Modular design for flexible deployment
- ✓ Delivers consistent performance in harsh environments.



# Engineered for Your Fleet, Your Operations

GreenDrive™ is designed for operational reality, compatible with the diesel engines you already own, new or old.



# If Sustainability Competes with CapEx, It Loses.

We removed the biggest barrier to adoption-capital expenditure.  
GreenDrive is delivered only as Decarbonisation-as-a-Service (DaaS).

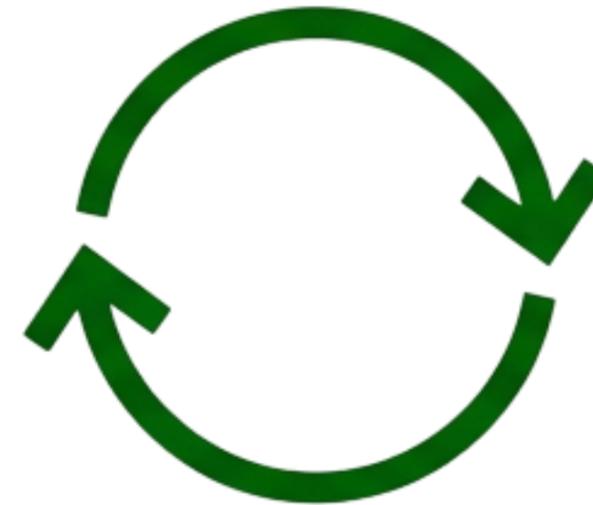
## The Problem with Products



**NO  
CAPEX**

Capital approvals slow decisions, risk shifts to the customer, and adoption stalls.

## The Power of DaaS



**DaaS  
MODEL**

No upfront CapEx, SGT manages performance and risk, designed for frictionless adoption and scale.

# A Managed Decarbonisation Partnership

The customer consumes verified emission reduction, not a piece of hardware.



## Deploy

SGT installs and integrates GreenDrive Systems

## Optimise

We tune performance for your specific duty cycles.

## Monitor

Continuous, real-time tracking of fuel use and system health via IoT.

## Maintain

SGT handles all support, maintenance, and upgrades.

## Verify

We provide audit-ready data on savings and emissions reduction.

# Measured, Verified, Defensible Impact

If it cannot be measured, it cannot be trusted.

# 3-20%

## CO2 & Fuel Savings

(Proven across new and legacy vehicles).

Continuous engine decarbonisation.  
Seamless integration with ESG and sustainability reporting.



# More Than a Device. A Decarbonisation Infrastructure.

GreenDrive is the execution layer of a broader system SGT has built to convert climate ambition into operational results.



"The energy transition will take decades. But climate impact cannot wait. SGT GreenDrive™ was invented so that the engines already running today can be part of the solution - now."

**Let's Build a Cleaner, More Efficient Future. Together.**

Kurt Moggridge  
+61 411 244 831  
sales@emeraldfuelsystems.com.au  
www.emeraldfuelsystems.com.au



Emerald Fuel Systems Pty Ltd  
Perth, Western Australia