



## Case study

# Clean, fuel-flexible power with National Highways

## £1m prototype project

IPG Energy and National Highways came together in this £1 million project to explore how IPG's clean, fuel-agnostic generator could address some of the infrastructure and investment challenges of decarbonising and cleaning up our transport network.

### Project goals

Demonstrate the fuel-agnostic capabilities of our breakthrough Flameless Combustion technology.

Validate the pollutant-free benefits of Flameless Combustion technology.

Achieve the first full-scale deployment of the IPG Flameless Generator.

### Project outcomes

✓ Prototype operated on both Hydrogen and Natural Gas.

✓ NO<sub>x</sub>, CO and PM emissions below 2 ppm, 98% lower than Stage V NRMM.

✓ Technology validation moved IPG Energy to TRL 6/7.

“The project proved a huge success, seeing IPG Energy advance their technology and validate their product. The IPG Flameless Generator holds a lot of promise as a cost-effective renewable energy solution for EV charging, as well as other applications, such as construction.”

Brian Cull, Project Sponsor | Energy Team, National Highways



**Accelerate the switch away from diesel for your business.**

Our clean, fuel-flexible renewable power solution can help your business meet your environmental and social targets, securely and at scale.

Get in touch to find out more about piloting the IPG Flameless Generator on your site.

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