

# Introducing **Bi-Fuel (Dual Fuel) Solutions**

**Optimize your fleet's operations and eco footprint with bi-fuel technology**

*“ Convert your diesel engine to run on natural gas and/or hydrogen with one of the most advanced technologies on the market. B-fuel solution will help you accelerate your energy transition journey, run your fleet more efficiently and with reduced emissions.”*

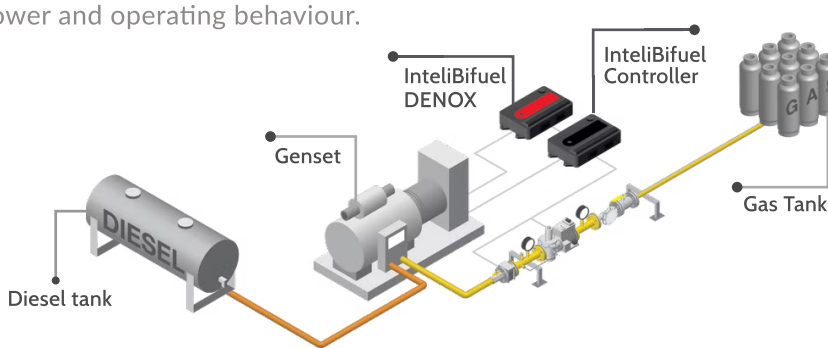
## How it works

Use the technology that works best for your project

Substitute diesel for gas, hydrogen or both

### DIESEL + GAS

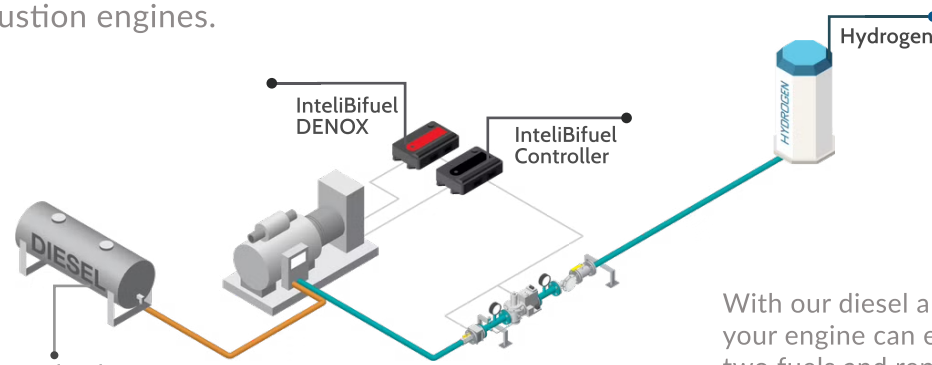
The system works by introducing gas into the engine and then electronically controlling the gas flow depending on engine speed, output power and operating behaviour.



Our simple bi-fuel conversion system modifies your original diesel engine so that it uses gas as the main fuel, which helps to substantially reduce your operating costs without compromising the engine's power output, running time or maintenance schedule.

### DIESEL+ HYDROGEN

Hydrogen naturally helps to reduce carbon emissions and particulate matter (PM) exhausts from diesel combustion engines.

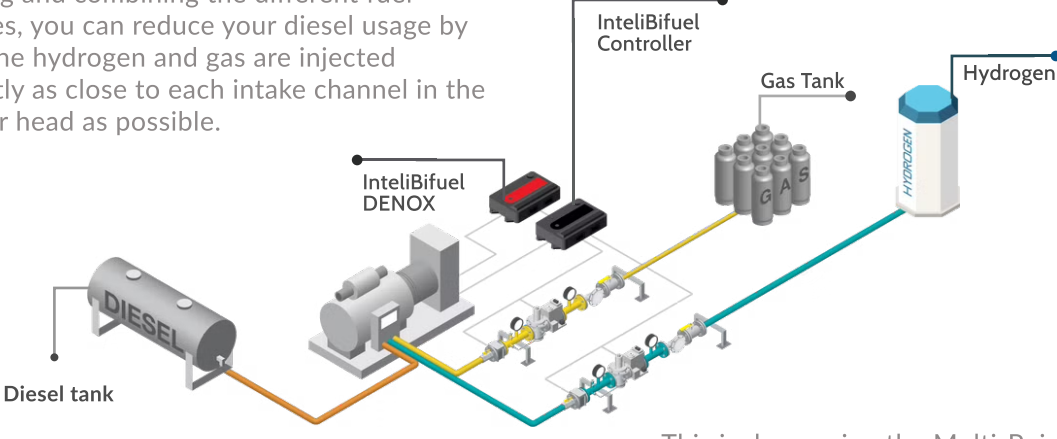


Hydrogen has a faster rate of flame propagation, which in return increases the engine's efficiency, greater energy stability and help you optimise costs, decrease your reliance on carbon fuels and reduce your emissions.

With our diesel and hydrogen bi-fuel solution, your engine can easily switch between the two fuels and replace up to 30% of diesel usage with hydrogen.

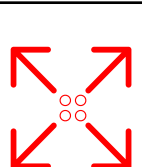
### DIESEL + HYDROGEN + GAS

By using and combining the different fuel mixtures, you can reduce your diesel usage by 60%. The hydrogen and gas are injected indirectly as close to each intake channel in the cylinder head as possible.



This is done using the Multi-Point Injection (MPI) method, which enables precise dosing of the mixture of hydrogen and gas for each cylinder and ensure safe operation of the engine.

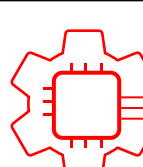
## Key advantages and benefits



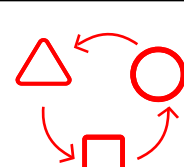
Flexible operations



Optimised operational expenses and emissions



Complete control of bi-fuel operations



Fuel Flexibility

## Get a complete solution

We support your bi-fuel project with a complete solution, from start to end. We provide:

- Consulting
- Design of the entire solution
- Commissioning the project
- After-project support



## Relevant Products



**IntelBifuel Mobile Set**

Certifications: CE, ABS, UL, CSA.



**IntelBifuel Lite 100 Set**

Certifications: CE, ABS, UL, CSA.



**IntelBifuel Lite 500 Set**

Certifications: CE, ABS, UL, CSA.



**IntelBifuel Lite 100 Set**

Certifications: CE, ABS, UL, CSA.

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+91 959 918 9031

+91 931 166 9482

info@aaxisnano.com

sales@aaxisnano.com



Visit Our website

<https://aaxisnano.com/>