Case Study

HyTIME

Hydrogen Truck Implementation for Maximum Emission reductions

Project

HyTIME is trialling a range of vehicles and associated duty cycles with hydrogen dual-fuel technology.

Customer Requirement

A hydrogen refuelling station (HRS) for Veolia to operate two hydrogen-diesel, dual-fuel, refuse collection vehicles for Westminster City Council

Solution

Logan Energy has designed a HRS that offers a flexible and resilient hydrogen fuel supply, while optimising refuelling capacity vs capital investment and operating costs. This HRS meets all applicable safety regulations and meets the requirement to dispense a minimum 10 kg of H_2 per day.

Result

40%-70% reduction in tailpipe CO2 emissions.
Improvement in real-world air quality relative to MY16 standards.
Well-to-wheel reduction of 5%-60% depending on Hydrogen source.

Deliverables

Hydrogen Refuelling Station.

10 kg H_2 daily capacity.

Achievements

Supply Chain.

Storage of high pressure H_2.

H_2 supply.

Benefits

Economic solution.

H_2 used as a fuel for a local fleet.

Reduction in CO_2 emissions.

Increase in air quality.

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