

FASTWAY

Powered by Hydrogen

Bus travel that doesn't cost the earth!

Taking this hydrogen bus from Crawley to Gatwick saves 1394g of CO² compared to driving. That's the same as making 545 cups of tea!

Feels good doesn't it?



View online



Zero emissions

This hydrogen bus produces zero emissions (no CO²)



Smoother and quieter ride

The all electric drive provides fewer vibrations and a comfortable journey



Decarbonising public transport

Water vapour is the only emission released into the air



Quick charging capabilities

Quick refuelling means less downtime and higher utilisation



24/7 365 days a year

This Fastway service runs 24 hours a day, 7 days a week



Built for safety

Safer than conventional fossil fuels plus extra safety features

operated by **METROBUS**

Part of **GoAhead**

How does this hydrogen bus work?

- 1 Oxygen from the air and Hydrogen from the tanks are delivered into the fuel cell
- 2 The fuel cell then generates a series of chemical reactions resulting in electric power and water
- 3 The electric power is fed into the battery and the water is forced outside (water vapour is the only waste product)
- 4 The battery packs power the electric motor, enabling the bus to move!



We use green hydrogen which is generated using renewable energy and desalinated seawater, making it even more sustainable.



It all starts and ends with water. Our hydrogen is generated using water and the only tail pipe emission is...water!



This bus has regenerative braking, meaning that the kinetic energy created by braking is stored and fed back into the battery.



Thanks to the self-charging battery and the bus's long range we only need to refuel the hydrogen tanks once a day.