

Enviro400FCEV

United Kingdom & Ireland



ALEXANDER
DENNIS



The **Alexander Dennis Enviro400FCEV** is ADL's next generation double deck hydrogen bus, delivering a zero-emission range of up to 300 miles. With hydrogen tanks and key components intelligently packaged by the engineers that developed the market's widest range of clean buses, the Enviro400FCEV's integral vehicle design that perfectly balances weight and maximises saloon space.

Powered by a class-leading Ballard fuel cell power module specified to just the right power output, the fuel cells minimise fuel consumption and maximise performance for lowest total cost of ownership. With fewer higher volume tanks, the Enviro400FCEV reduces maintenance effort while increasing fuel capacity to deliver increased zero emission range.

The Enviro400FCEV uses the latest technology in the form of the Voith Electrical Drive System. This boosts energy regeneration during the braking phase and delivers increased efficiency that is further enhanced by advanced thermal management which uses excess heat from the fuel cells and driveline to heat the saloon, minimising additional power requirement.

Vehicle type	Two-axle double deck hydrogen fuel cell electric bus
Dimensions	11.1m length / 2.55m width / 4.3m height
Electric motor	Voith Electrical Drive System
Fuel cell system	Ballard FCmove-HD
Energy storage system	Lithium-ion battery
Hydrogen tanks	NPROXX composite pressure vessels