



Sustainable  
Power  
Now

A photograph of a man with curly hair, wearing a yellow sweater, standing next to an electric vehicle (EV) charging station. He is looking down at his smartphone. The background shows a parking sign with a 'P' and an EV icon, and a sunset sky. A large green curved graphic element is at the top of the page.

# Sustainable Power Solutions for EV Charging Providers

Hydrogen Powered Generators

ZERO EMISSION FUEL

GREEN POWER GENERATION



# Go green with GeoPura HPU



GeoPura HPU

## Introduction

### Powering the Future of Transportation – Today!

The electric vehicle (EV) market is growing rapidly, and with it, the need for widespread EV charging facilities.

As more individuals and businesses make the switch to EVs, the pressure on the electrical grid is set to increase dramatically. Meaning EV charging providers will need to bridge that gap in power until connection becomes available.

That's where GeoPura's innovative Hydrogen Power Unit (HPU) comes into play. A HPU uses fuel cell technology to supply clean, large-scale power when and where it's needed, and the only by-product is pure water.





# Key Benefits for EV Charging Suppliers

## Introducing the GeoPura HPU for EV Charging

GeoPura's HPU offers a revolutionary solution to unlocking electrical grid capacity, ensuring seamless, sustainable charging for EVs. Our zero-emission technology combines HPUs with EV charging points, providing a scalable solution that bypasses grid constraints, allowing infrastructure providers to establish EV charging points even in areas where grid upgrades are delayed or not feasible.

### Why Choose GeoPura's HPU?

#### Unlock Electrical Grid Capacity Now

With GeoPura's HPUs, you can establish EV charging points in areas with limited grid access or where increased capacity is not possible. The units can operate off-grid or enhance existing grid supply, eliminating capacity bottlenecks and maximising charging capabilities.

#### Reliability and Scalability

Each HPU delivers large-scale, reliable energy and can power multiple fast and rapid EV chargers, effortlessly catering to growing demand. Our technology ensures that as your EV charging needs expand, our solutions can scale accordingly.

#### Zero-Emission Solution

Fuelled by green hydrogen, the only emission from our HPUs is pure water, making it a truly eco-friendly and sustainable charging solution. This commitment to zero emissions helps reduce your carbon footprint and supports global decarbonisation efforts.

#### Proven Performance

Our HPU technology has already been successfully deployed by the Ministry of Defence, Balfour Beatty, and Uniper, providing zero-emission charging for their EV fleets. These organisations trust GeoPura to deliver clean, reliable energy with the only byproduct being pure water.



#### Scalable and Flexible

Easily scale our power units to meet the energy demands of various charging sites, from small local setups to large-scale charging stations.



#### Environmentally Friendly

Our HPUs produce zero carbon emissions, significantly reducing the environmental impact of off grid EV charging, that often relies on diesel.



#### Reliability

The HPU provides uninterrupted power, ensuring reliable charging availability without the risk of outages.

### Supporting Your Transition to Sustainable Power

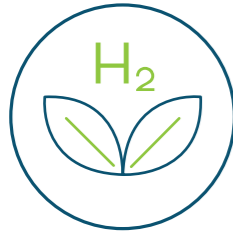
At GeoPura, we are more than just innovators; we are also producers. We proudly manufacture our HPUs in the UK in partnership with Siemens Energy and invest in green hydrogen production to fuel these units. Our dedicated team of hydrogen experts is ready to support your transition to sustainable EV charging, from setup and safety to fuel management and remote monitoring.



Fleet cars being charged with hydrogen power onsite at MOD® Merville Barracks



## How it works



# Lead the Charge with GeoPura's HPU



- 1 Hydrogen Production**  
Utilising renewable energy to generate green hydrogen via electrolysis.
- 2 Storage**  
Store renewable energy as a hydrogen based fuel.
- 3 Transport**  
Transport hydrogen fuel to where it is needed.
- 4 Generate Electricity**  
HPUs use hydrogen fuel to generate zero emission electricity.
- 5 Power Up**  
Utilise electricity to power high capacity EV chargers and infrastructure wherever it's needed.



# Leading the Charge in Sustainable EV Charging

We understand that each EV charging provider has unique power requirements. Whether you need power for local authority projects, service stations, or large companies looking to decarbonise their transport networks, GeoPura can design a system that meets your needs seamlessly.

Leveraging HPU technology can help eliminate logistical barriers and time constraints, enabling you to offer EV charging infrastructure powered by clean energy with zero emissions.

With charging data accessible for customers through an app or RFID card, GeoPura's solution is efficient, dependable, and user-friendly. We provide fast and rapid charging options ranging from 60kW to 160kW, allowing us to accommodate varying levels of charging requirements.

### Expertise and Experience

With years of experience in renewable energy solutions, we understand the unique requirements of the EV charging sector. Our team will guide you through the transition to sustainable power, ensuring a seamless process.

### Performance

GeoPura's HPUs are built with cutting-edge technology, guaranteeing reliable and consistent power supply, allowing your operations to run smoothly without interruptions.

### Green Hydrogen Infrastructure

We provide clean energy as a service, taking care of hydrogen supply and fuel management, making it easy to switch to sustainable fuels.

### Introducing: Our new mobile zero emission power solution

Our new trailer-mounted HPU is designed for quick deployment and seamless operation. With inbuilt fuel storage and a compact footprint, the plug and play solution is the perfect option for short term events that require EV charging infrastructure, including festivals and sports fixtures.



# Ready to make the switch? Accelerate the rollout of sustainable EV charging with GeoPura's HPU. Reach out to our team and join us in creating a cleaner, greener future for transportation.

Together, we can meet the growing demand for EV charging while reducing our environmental impact.

At GeoPura, we are proudly manufacturing our HPUs at scale in the UK in partnership with industry leader Siemens Energy, and investing in green hydrogen production to fuel these units.

Find out more at [GeoPura.com](https://geopura.com)

**SIEMENS**  
energy



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