GeoPura®

Sustainable
Power
Now



GeoPura:
Driving the Transition to Net-Zero Power Generation

ZERO EMISSION FUEL

GREEN POWER GENERATION

About GeoPura

GeoPura is at the forefront of the clean energy revolution, decarbonising power generation to end reliance on fossil fuels. Through innovative hydrogen technology and zero-emission fuels, we are reducing emissions, improving air quality, and enabling industries to achieve their net-zero ambitions. Supported by strong financial partnerships and a growing network of industry leading collaborators, we're building the hydrogen ecosystem needed to deliver renewable energy where and when it's needed, at scale.

GeoPura was founded to address one of the most pressing challenges of our time: ending reliance on fossil fuels. Our mission is simple yet ambitious—decarbonise power generation by using **green hydrogen** and other clean fuels to deliver zero-emission energy solutions at scale.

As one of the **UK's leading green hydrogen producers**, GeoPura combines advanced technology with deep industry expertise to create sustainable energy solutions that meet the needs of businesses, governments, and communities worldwide. Our innovative **Hydrogen Power Units (HPUs)** deliver clean, reliable power across diverse applications, while our established hydrogen ecosystem ensures renewable energy can be stored, transported, and deployed anywhere it's needed.

Collaborating with industry leaders such as **Siemens Energy**, we are at the forefront of driving hydrogen adoption across sectors, from construction and broadcast to events and transport. With a strong foundation of innovation, robust financial backing, and proven results, we have established ourselves as a market leader in the transition to clean energy.

Together with our partners and customers, we are building a cleaner, greener energy future for all.













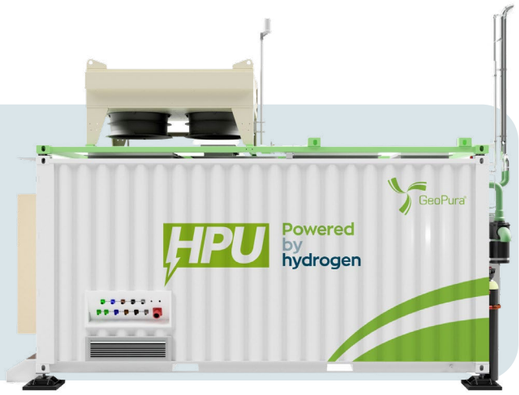
Introducing the GeoPura HPU Range

GeoPura's HPU range delivers zero-emission energy, eliminating CO_2, NOx, and particulate pollution to improve air quality, protect health, and reduce carbon footprints across industries. By replacing fossil fuels with clean hydrogen, we help businesses cut emissions, meet sustainability targets, and transition to a net-zero future.



HPU

The original hydrogen-powered generator, fuelled by green hydrogen. Proven, robust, and reliable, it delivers 250kW of quiet, zero-emission power with 250kWh of self-charging battery storage for a wide range of applications, including construction, live events, EV charging, and critical backup power.



HPU-M

A compact, towable HPU, bringing zero-emission power to even more locations with easy transport and rapid deployment. Perfect for smaller-scale operations, EV charging, and off-grid applications.



HPU-A (Coming Soon)

A compact, towable HPU, bringing zero-emission power to even more locations with easy transport and rapid deployment. Perfect for smaller-scale operations, EV charging, and off-grid applications.

HPU2

Our second-generation HPU, engineered for larger industrial power demands. Delivering 500kW of high-capacity, zero-emission energy, it is scalable to multi-megawatt applications and integrates with grid, microgrid, and renewable energy sources, supporting data centres, infrastructure, and heavy industry.



Hydrogen Refuelling

Hydrogen refuelling for vehicles, plant, and equipment. Available as a hireable refuelling solution with low-carbon hydrogen supply, offering off-grid, rapid deployment with no permanent infrastructure required. A fully managed service for trials, temporary projects, and long-term operations.

What We Do

GeoPura designs and delivers innovative clean power technologies to supplement the electricity grid and replace traditional diesel generators and fossil fuel-based systems.

Our **Hydrogen Power Units (HPUs)** are compact, portable solutions that generate electricity using green hydrogen, producing only water as a by-product. These units provide:

- Reliable, **zero-emission power** for on- and off-grid applications.
- Scalable energy solutions capable of meeting diverse industry needs.
- Built-in battery storage for flexible, continuous power delivery.

Beyond HPUs, GeoPura has built a **hydrogen ecosystem** that enables renewable power to be stored and used wherever and whenever it's needed, supporting critical applications like live broadcasts, events, EV charging, and infrastructure development.

With a fleet of over **3,600 HPUs** planned by 2033, GeoPura is set to displace more than **six million tonnes of CO_2**, providing a scalable path to decarbonisation.

How We Do It

Our approach combines innovation, collaboration, and investment:

- **Strategic Partnerships:** Through collaboration with Siemens Energy, we are accelerating the commercialisation and manufacture of our HPUs, bringing cutting-edge technology to market at scale.
- **Strong Financial Backing:** With support from trusted partners like Barclays, National Wealth Fund, Siemens Energy, General Motors and SWEN Capital, we are scaling operations and expanding the hydrogen supply chain.
- **Hydrogen Supply Chain Expertise:** From production at our Midlands-based sites to delivery via on-site refuelling systems and tube trailers, we manage a complete hydrogen network to ensure reliable, low-carbon power solutions.
- **Global Impact:** Our work is already making an impact on a global scale, helping organisations replace diesel generators, support large-scale electrification, and meet ambitious sustainability goals.

Our integrated approach enables us to support diverse sectors with clean, scalable power solutions, reducing emissions while ensuring uninterrupted energy access.





Who We Do It For

GeoPura works with organisations across diverse sectors, providing tailored solutions that align with their sustainability objectives:

Construction: Supporting decarbonisation of infrastructure projects with clean, off-grid power for sites such as HS2 and Balfour Beatty developments.

Broadcast & Media: Powering live global TV and sports coverage for customers like the BBC, leading streaming services and DP World Tour.

Events: Delivering sustainable energy for high-profile festivals, including the Isle of Wight Festival and Touch Rugby World Cup.

Industrial Applications: Partnering with the Ministry of Defence and National Grid to support their journey toward net-zero operations.

How Can We Work Together?

GeoPura is actively seeking partners who share our vision of a net-zero future. Whether you need reliable clean power, want to integrate hydrogen technology into your operations, or are looking to collaborate on decarbonisation projects, we're here to help.

By working together, we can deliver innovative energy solutions that drive meaningful impact for your organisation and the planet. Let's power the future—clean, reliable, and emission-free.

To learn more, contact us directly at the information below.

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.

SIEMENS energy

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