



Sustainable
Power
Now

A photograph of two hands forming a heart shape, set against a background of blurred lights, likely from a concert or event. The hands are in the foreground, and the background is filled with warm, out-of-focus lights.

Sustainable Power Solutions for Events & Live Music

Hydrogen Powered Generators

ZERO EMISSION FUEL

GREEN POWER GENERATION

Power Your Event Sustainably with GeoPura HPU



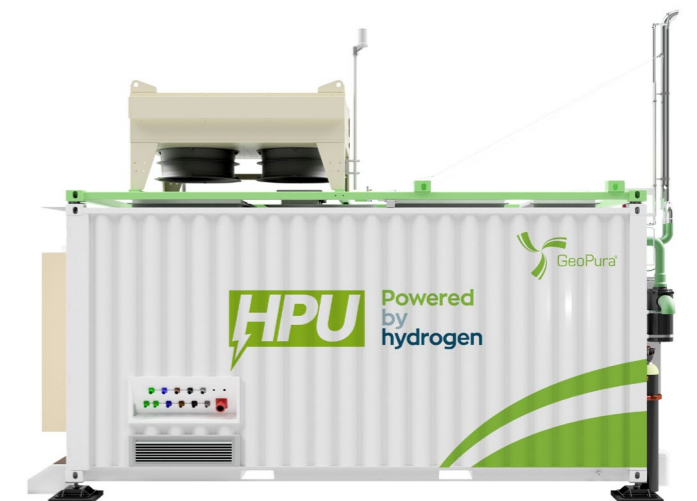
GeoPura HPU

Introduction

The events and live music industry thrives on energy and excitement. Yet, behind the scenes, there's a challenge: powering the show. Traditionally, events rely on diesel generators when the grid can't meet their needs, but these generators emit harmful pollutants, including carbon dioxide and nitrogen oxides. Even alternatives like HVO or biodiesel aren't enough to eliminate these risks.

By transitioning to green power solutions, the events industry can significantly reduce its carbon footprint and play a crucial role in mitigating climate change.

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.





HPU Benefits

Rock the Stage, Sustainably!

A GeoPura HPU uses hydrogen to generate electricity, offering a clean and efficient alternative to diesel generators. Our fuel cell system converts hydrogen gas into electricity, producing only water as a by-product. The era of noisy, dirty diesel is over. As the world shifts towards sustainability, the events and live music sector can lead the way by adopting green power solutions.

Did you know?

According to A Greener Festival, a typical three-day festival with 50,000 attendees can generate approximately 500 tons of CO2 emissions.

Why Change?

Event organisers are pivotal in driving this change. By switching from diesel to GeoPura's HPUs, the industry can significantly reduce its carbon footprint and make a bold statement about its commitment to the environment.

Sustainable and Efficient

GeoPura hydrogen powered generators deliver 250kVA of three-phase, 400V critical electrical power with an integral 250kWh battery system, ensuring a fully redundant, uninterruptible power supply. Transitioning to renewable energy for your event helps reduce emissions, replace fossil fuels and creates a better environment for all aspects of the experience.

Reliable Power for Every Event

Designed for critical applications like live concerts and large festivals, the HPU ensures no downtime. It can sync with available grid power to manage peak demands, and multiple units can be combined for larger events. The HPU also provides heating, hot water, and fast EV charging, enhancing the sustainability of your event by supporting zero-emission power for transportation and amenities.

Seamless Integration, Anywhere

A GeoPura HPU and a supply of green hydrogen can be delivered to almost any location, providing easy access to emissions-free electricity. The only by-product is pure water.



Scalable and Flexible

Our power units are scalable to meet the energy demands of any event, from small gigs to large festivals. Their modular design allows for easy integration and can work alongside the grid to manage peak demands. They support other sustainable measures, like battery packs and EV charging, with zero emissions.



Noise-Free Operation

Say goodbye to disruptive noise! GeoPura HPUs operate quietly, improving sound quality and creating a more pleasant environment for performers, crew, and attendees.



Cost-Effective

GeoPura HPUs offer stable and reliable energy, free from the fluctuations of diesel prices. With reduced maintenance needs and no downtime from unplanned failures, they provide long-term financial benefits for event budgets.



Environmentally Friendly

GeoPura units produce zero carbon emissions when powered by green hydrogen, significantly reducing your event's carbon footprint and combatting air pollution.



Reliability

The HPU provides uninterrupted power, crucial for live events where power failures can disrupt performances and audience experience. With a built-in UPS battery system and grid syncing function, it eliminates the risk of power outages.

Hydrogen: The VIP of Latitude Festival (Very Important Power)



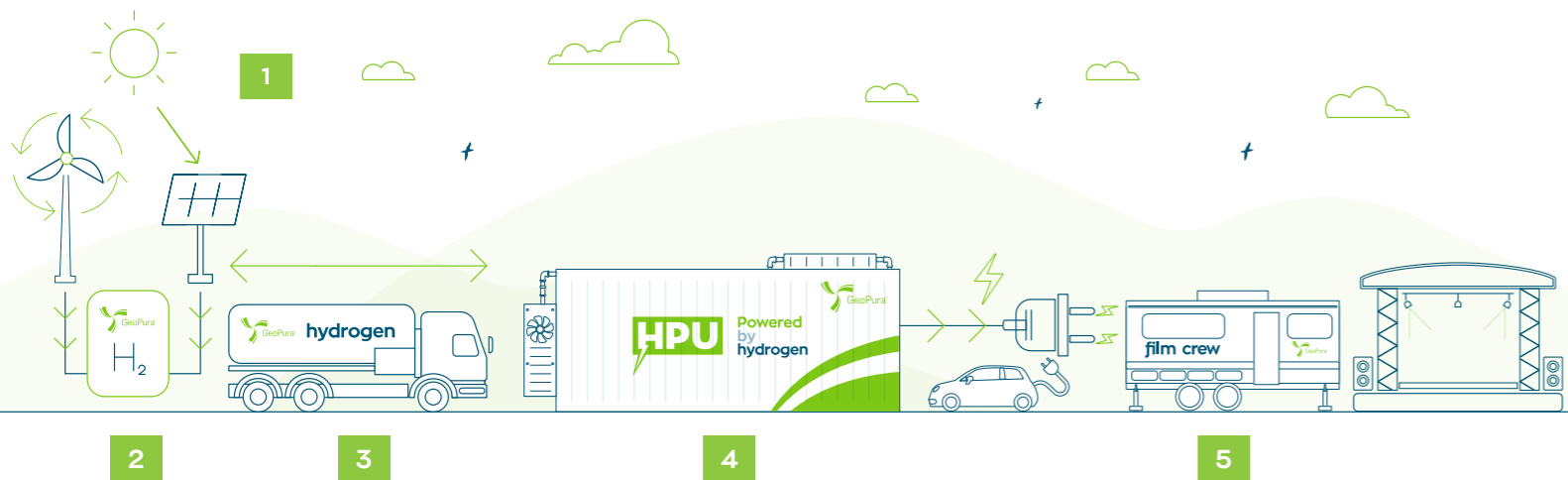


How it works



Leading the Way Towards Sustainable Events

- 1 Production**
Utilise renewable energy to create green hydrogen.
- 2 Storage**
Store renewable energy as hydrogen fuel.
- 3 Transport**
Deliver hydrogen fuel to your event.
- 4 Generate Electricity**
Use hydrogen fuel to produce zero-emission electricity.
- 5 Power Up**
Power stages, lighting, equipment, and EVs with clean energy.



Why Choose GeoPura?

We are committed to providing the event industry with the most advanced and sustainable power solutions.

Here's why the GeoPura HPU stands out from the crowd:

Expertise and Experience

With years of experience in renewable energy solutions for live events, we understand the unique requirements of the events and live music sector. Our team guides you through the transition to sustainable power, ensuring a seamless process.

Performance

GeoPura's HPUs use cutting-edge technology for reliable and consistent power supply. We prioritise performance, ensuring your event runs smoothly without interruptions.

Green Hydrogen Infrastructure

We provide clean energy as a service, managing the hydrogen supply and fuel needs. By using this clean energy source, your event can go beyond carbon neutrality and contribute to a greener planet.

In the spotlight

The Isle of Wight Festival integrated hydrogen-powered generators into its power infrastructure in 2024. GeoPura HPUs, hydrogen-powered generators, replaced traditional diesel generators providing power to crew and artist catering and part of the guest village providing zero-emission electricity from hydrogen for the first time at the festival.

Customised Solutions

Every event has unique power requirements. Whether you need power for lighting, equipment, welfare facilities, or temporary structures, GeoPura can design a system to meet your needs seamlessly.

Introducing: Mobile Zero Emission Power Solution

Our new trailer-mounted HPU is designed for quick deployment and seamless operation. With built-in fuel storage and a compact footprint, this plug-and-play solution is perfect for short-term events, outdoor concerts, and multi-location festivals.



Ready to make the switch? Reach out to our team at GeoPura.

Together, let's create captivating stories 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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