GeoPura

ISLE OF WIGHT FESTIVAL 2024

Sustainable Power Now

SECTORS: Events, Critical Power

Isle of Wight Festival

Case Study

Seaclose Park, Newport, Isle of Wight

The Isle of Wight Festival 2024 is setting a new benchmark in sustainability by integrating hydrogen-powered generators into its power infrastructure. GeoPura's 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. This bold initiative is part of the festival's commitment to becoming the most sustainable in the country. By introducing hydrogen power, the festival is making a significant leap towards reducing its carbon footprint and setting an example for other events.

Location	Seaclose Park, Newport, Isle of Wight
Dates	15th June - 24th June 2024
Equipment	2 x HPU 1

KEY METRICS

CO_2 saved	9243 kg
NOx saved	89.6 kg
PM saved	3.4 kg

APPLICATIONS

- Back Up Power
- Grid Augmentation
- EV Charging
- Off-Grid Power

Challenges

- Short-term deployment for an event.
- Sustainable alternative to diesel generators needed.
- Critical power supply needed for welfare facilities and TV production.

Solutions

- **Zero Emissions:** Unlike diesel generators, HPUs emit no pollutants
- **Reduced Noise:** Hydrogen generators are quieter than diesel equivalents.
- **Versatility:** HPUs can provide heating, hot water, and fast EV charging, supporting a wide range of festival needs.

ZERO EMISSION FUEL

GREEN POWER GENERATION

About the project

GeoPura HPU technology harnesses green hydrogen to provide zero-emission electricity off grid, or where the local supply is insufficient, and replacing diesel generators delivering reliable, large-scale power, with the only byproduct being water.

Andrew Cunningham, CEO of GeoPura, commented: "Our HPUs deliver clean, reliable energy wherever it's needed so we're excited to have partnered with the Isle of Wight Festival to showcase how green hydrogen can replace diesel generators. I congratulate the festival organisers for taking the lead and working to deliver a sustainable event. They've not only reduced climate-damaging emissions, they've also improved the local festival air quality for their guests, partners and neighbours making a better experience for everyone."

Historically, festivals have a considerable environmental impact which is primarily due to high carbon emissions from fossil-fuel power generation. Diesel generators, commonly used to provide power, emit harmful pollutants such as carbon dioxide, nitrogen oxide, and particulate matter, contributing to climate change and air pollution. These emissions pose health risks to both workers and local communities. The transition to green hydrogen generators at the Isle of Wight Festival marks a significant reduction in these harmful emissions.

What our client says

By introducing hydrogen-powered generators, we are taking a proactive step towards our goal of cutting greenhouse gas emissions by 50% by 2030.

This initiative is just one part of our plan to aim to make the Isle of Wight Festival the most sustainable in the country.

Caroline Giddings, Director at the Isle of Wight Festival

Isle of Wight Festival (LiveNation)

Find out more

Watch our video case study **here**.