GeoPura®

Sustainable
Power
Now



Sustainable Electricity Solutions for Film & TV

Hydrogen Powered Generators

ZERO EMISSION FUEL

GREEN POWER GENERATION



Go green with GeoPura Hydrogen Generators



GeoPura HPU

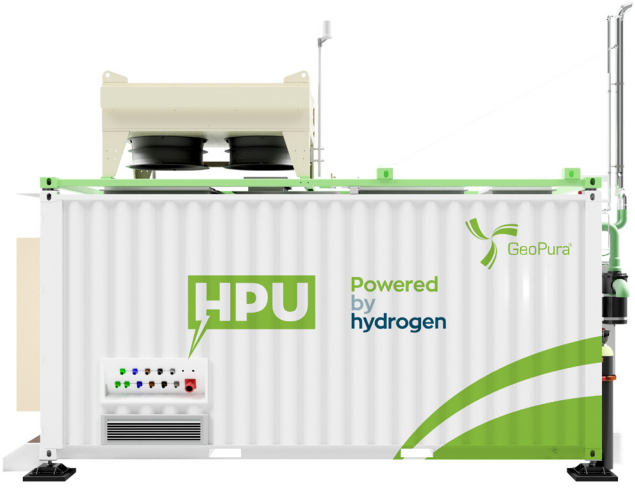
Introduction

Lights, camera, action!

The film and TV production industry is known for its creativity, innovation, and captivating story-telling. However, behind the scenes, it faces a significant challenge.

Whether in the studio or on location, the film and TV production industry heavily relies on diesel generators to power their sets when the electrical grid can't support their demands.

Diesel generators emit harmful pollutants, including carbon dioxide, nitrogen oxides, and particulate matter, contributing to climate change, air pollution, and posing health risks to both workers and local communities, even when using HVO or biodiesel replacements.





A GeoPura HPU harnesses the power of hydrogen to generate electricity, providing a clean and efficient alternative to traditional diesel generators. GeoPura generators employ a fuel cell system that converts hydrogen gas into electricity, emitting only water as a by-product.

Why change?

Diesel generators have served the industry for a long time, however now we know they are noisy, dirty and bad for the environment, there has to be a better option. As the world shifts towards a sustainable future, it is crucial for the film and TV industry to embrace eco-friendly practices. Those responsible for power on sets play a pivotal role in driving this change by adopting green alternatives that align with their production goals and values. By transitioning from diesel generators to GeoPura's HPUs, the industry can significantly reduce its carbon footprint and take an active step towards a greener future.

Sustainable & Efficient

GeoPura Hydrogen Power Generators deliver 250kVA of standard three-phase, 400V critical electrical power backed up by an integral 260kWh battery system. A fully redundant, uninterruptible power system, the HPU is designed for critical applications such as live TV or high value productions, where lost time incurs high costs. Where a grid connection is available, it can also sync with the power source to manage peak demands and boost availability. Multiple generators can be combined to produce as much power as needed.

The HPU can also deliver heating and hot water and fast EV charging. These capabilities can further improve the sustainability of your production by supporting cast and crew welfare facilities and onsite transport with zero-emissions power.

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.

Did you know?

According to BAFTA (British Academy of Film and Television Arts), a single hour of television produced in the UK, whether fiction or non-fiction, produces an average of 13 metric tons of carbon dioxide. These emissions amount to nearly as much as the average person generates in an entire year.



HPU Benefits

Environmentally Friendly

Our power units produce zero carbon emissions when powered by green hydrogen. By eliminating harmful pollutants, they significantly reduce the carbon footprint of the production, help combat air pollution and mitigate the industry's impact on climate change.

Reliability

The HPU provides an uninterrupted power supply to meet the demands of live broadcasts. With its built in UPS battery system and grid syncing function, it eliminates the risk of power outages that could disrupt live broadcasts and compromise the viewer experience. The HPU provides a consistent and stable power source, enabling seamless execution of live events, news broadcasts, and sports coverage.

Noise-Free Operation

Say goodbye to disruptive noise on set! A GeoPura HPU operates near silently, allowing for seamless filming, improved sound quality, and a more pleasant working environment for both the production crew and nearby communities.

Scalable and Flexible

Our power units can be easily scaled to meet the energy demands of any production, from live TV, smaller indie projects to large-scale film sets. Their modular design allows for hassle-free integration into existing infrastructure and can work alongside the grid to manage peak demands and supplement other sustainability measures on set such as battery packs and electric vehicles by enabling zero-emission charging.

Cost-Effective

GeoPura HPUs provide a stable and reliable energy source, free from fluctuating diesel prices. With reduced maintenance requirements and no down time from unplanned failures, the critically backed UPS also eliminates the need for back-up generators, offering long-term financial benefits for production budgets.



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

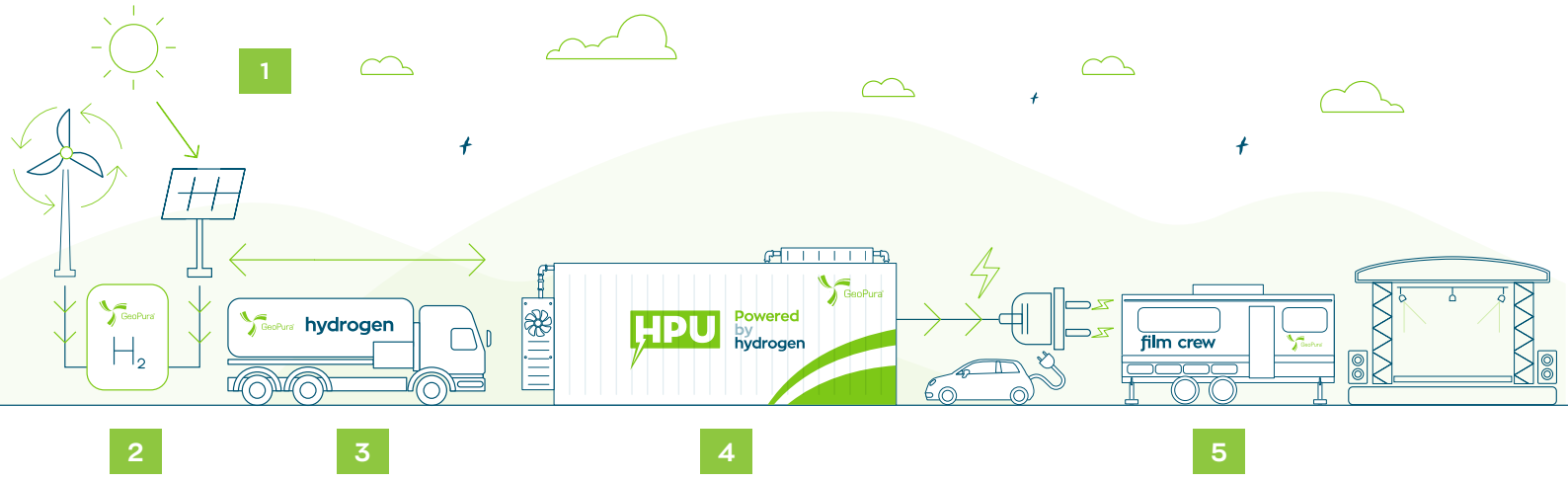
Transport hydrogen fuel to where it is needed.

4 Generate Electricity

HPUs use hydrogen fuel to generate zero emission electricity.

5 Power Up

Utilise electricity to power studio productions, live outside broadcasts, recharge battery equipment or EVs.





Leading the way towards sustainable film and TV production

In the spotlight

We have supported the BBC since 2021, supplying continuous uninterrupted, emissions free, critical electrical power for the production and live broadcast of Springwatch and Winterwatch series.

At GeoPura, we are committed to providing film and TV production industry professionals 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 powering live TV and series production, we understand the unique requirements of the film and TV production sector. Our team of professionals will guide you through the transition to sustainable power, ensuring a seamless and efficient process.

Performance

GeoPura's HPUs are built with cutting-edge technology, guaranteeing reliable and consistent power supply throughout your production. We prioritise performance, ensuring that your operations run smoothly without any interruptions, as power demands flex throughout the production.

Green Hydrogen Infrastructure

Providing clean energy as a service, we take care of the hydrogen supply and the fuel management, making it easy to switch to more sustainable fuels.

By utilising this clean energy source, we enable your production to go beyond carbon neutrality and actively contribute to a greener planet.

We understand that every production has unique power requirements. Whether you need power for lighting, equipment, welfare facilities, outside broadcast or temporary structures in the studio or in off-grid remote locations, GeoPura can design a system that meets your needs seamlessly.

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 filming, outside broadcasts and for covering multiple locations.



Ready to make the switch to sustainable power for your film and TV production?

Reach out to our dedicated team at GeoPura.

Together, let's create captivating stories while reducing our environmental impact.

ALBERT
Supplier

Proud to be an Albert accredited supplier.

GeoPura®

Sustainable Power Now

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