GeoPura®

msc | Sustainable Power Now

SECTORS: Events, Off-Grid Power

Munich Security Conference Case Study

Hydrogen Backup Power with Siemens Energy



GeoPura partnered with Siemens Energy to deliver zero carbon backup power at the 2026 Munich Security Conference. The deployment strengthened energy security and operational resilience for one of the world's highest profile international events.

Location:	Munich, Germany
Dates:	February 2026
Equipment Deployed:	HPU-M Hydrogen Power Unit



APPLICATIONS

- Off-Grid Power
- Grid Augmentation
- Backup Power
- Event Sustainability

Challenges

- Ensuring continuous power for a high profile international event in a city centre location
- Reducing reliance on diesel backup generation in an environment with strict environmental and air quality requirements
- Enhancing energy security and operational resilience under unpredictable grid conditions

Solutions

- **Deployment of a green hydrogen fuelled GeoPura HPU-M** as resilient backup power
- **Direct connection to the Rosewood Munich distribution board** for instant takeover in a grid outage
- **Collaborative engineering and deployment** with Siemens Energy to scale clean backup power solutions

ZERO EMISSION FUEL

GREEN POWER GENERATION

About the project



The Munich Security Conference brings together heads of state, ministers, defence leaders and global decision makers to address issues that shape international stability. In an environment where discussions influence global policy and security, uninterrupted power is essential. Any loss of electricity would risk disrupting live broadcasts, secure communications and critical conference operations.

Working alongside Siemens Energy, GeoPura deployed a green hydrogen fuelled HPU-M at the Rosewood Munich in Salvatorplatz to reinforce site resilience. The unit connected directly to the hotel's distribution board and stood ready to take over instantly in the event of a grid outage. This ensured continuous power to conference suites, ballrooms and live streaming infrastructure throughout the event.

As geopolitical uncertainty, energy market volatility and infrastructure risks continue to increase, organisations must strengthen local resilience as well as national supply. The HPU provided on site energy independence, reducing reliance on conventional diesel generators while delivering zero carbon emissions and zero harmful air pollutants at point of use.

What Our Partner Says

"At the Munich Security Conference, GeoPura delivered reliable, zero-emission hydrogen power where it mattered most. This is 'Resilience Made in Europe'."

Christian Bruch
CEO of Siemens Energy

By integrating clean hydrogen backup power into a high consequence, high visibility setting, GeoPura and Siemens Energy demonstrated that operational resilience and sustainability can work together. The project reinforced the importance of secure, scalable and low carbon power solutions in protecting critical infrastructure.

If your organisation operates in a high consequence environment where power failure is not an option, now is the time to review your backup strategy.

Speak to GeoPura about how HPUs can enhance energy security, reduce reliance on diesel and deliver resilient, zero emission power for your operations.

Find out more

www.geopura.com