

GeoPura

**Matt Barney,
Chief Hydrogen Business
Officer**



ZERO EMISSION FUEL

Sustainable
Power
Now

GREEN POWER GENERATION

Making Hydrogen A Reality



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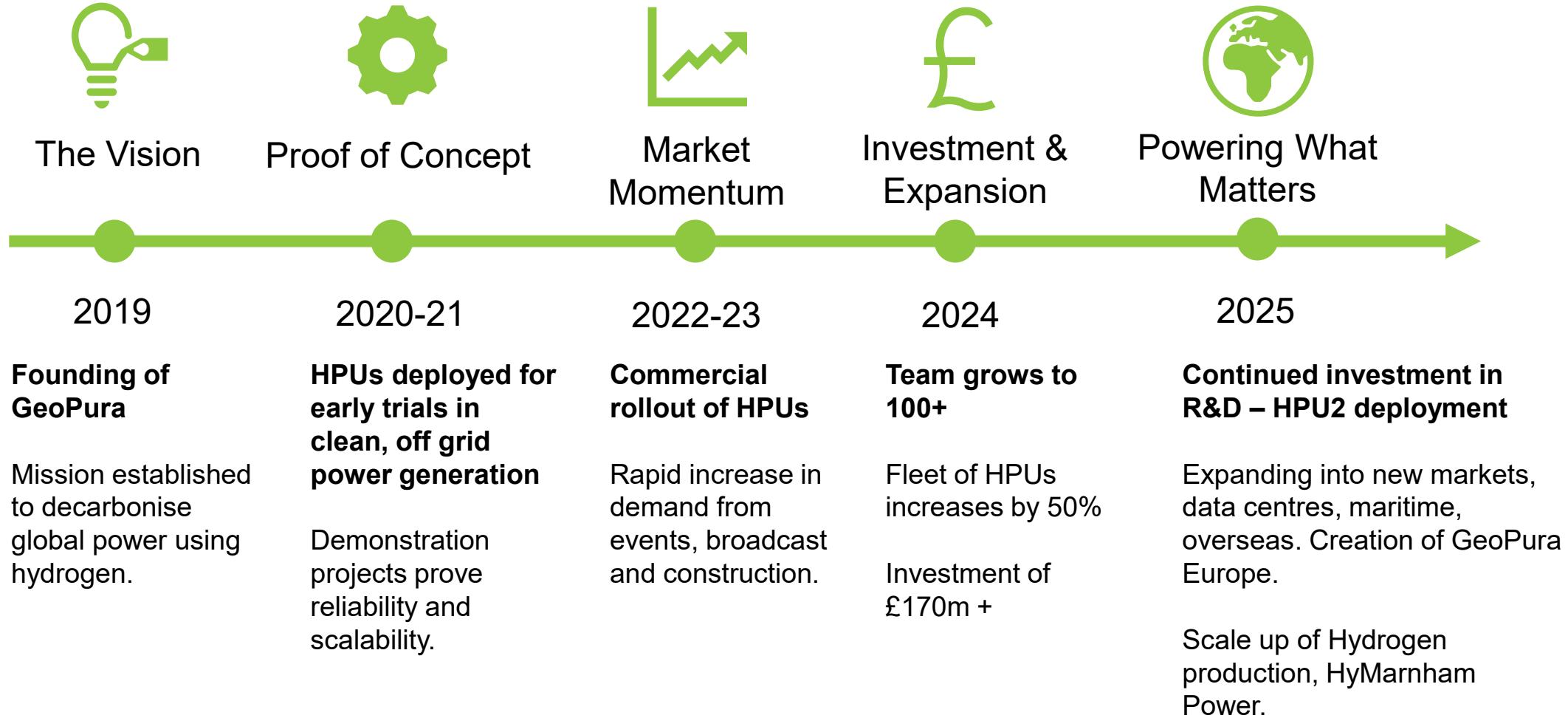


It's thought that hydrogen atoms we use today are generally about 15 billion years old.

Most of the atoms in our bodies are hydrogen, and humans have been using it/burning it about as long as we've existed.

We've often tended to use hydrogen without bothering to take it out of its 'packaging'.





Our Partners – Driving Regional Investment



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To date GeoPura has raised over **£175m** of funding to invest in zero-emission fuel and energy infrastructure.

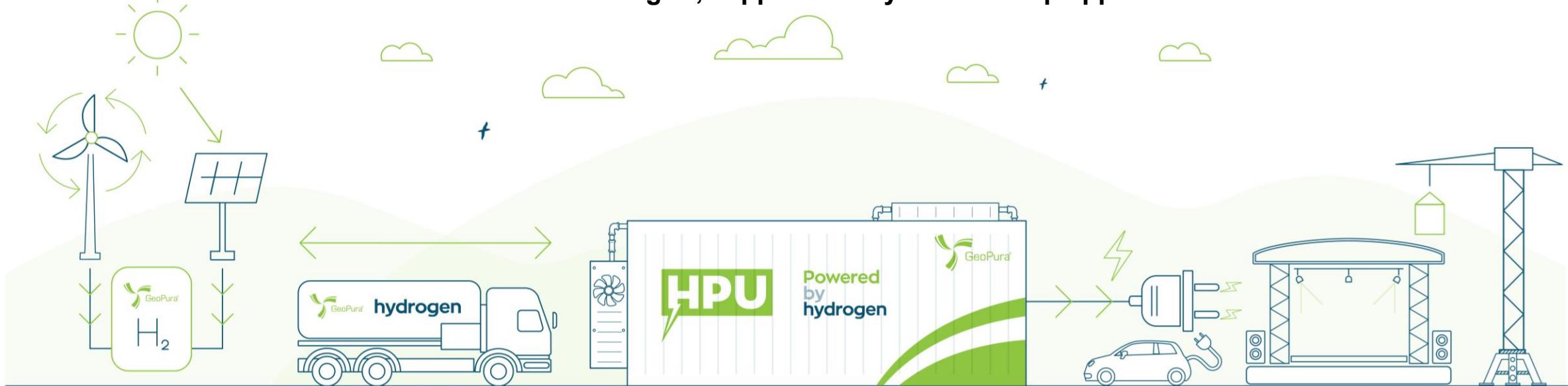


Energy as a Service



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Operating an Energy as a Service model, GeoPura makes transitioning away from traditional diesel sources effortless for off-grid, supplementary and back up applications.



1 Hydrogen Production

Utilising renewable energy to generate green hydrogen via electrolysis.

2 Delivery & Refuelling

Full fuel management system – including delivery and refuelling.

3 Plug & Play Solution

Set up and operated by GeoPura engineers.

4 Fully Monitored & Maintained

To optimise performance and energy use.

Our Technology – Hydrogen Power Unit (HPU)

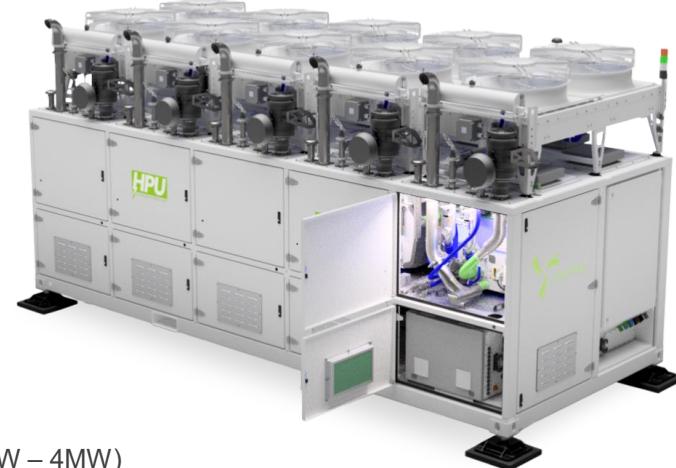


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HPU (250kW)

Zero-emission
solution.
The only output is
water!



HPU2 (500kW – 4MW)

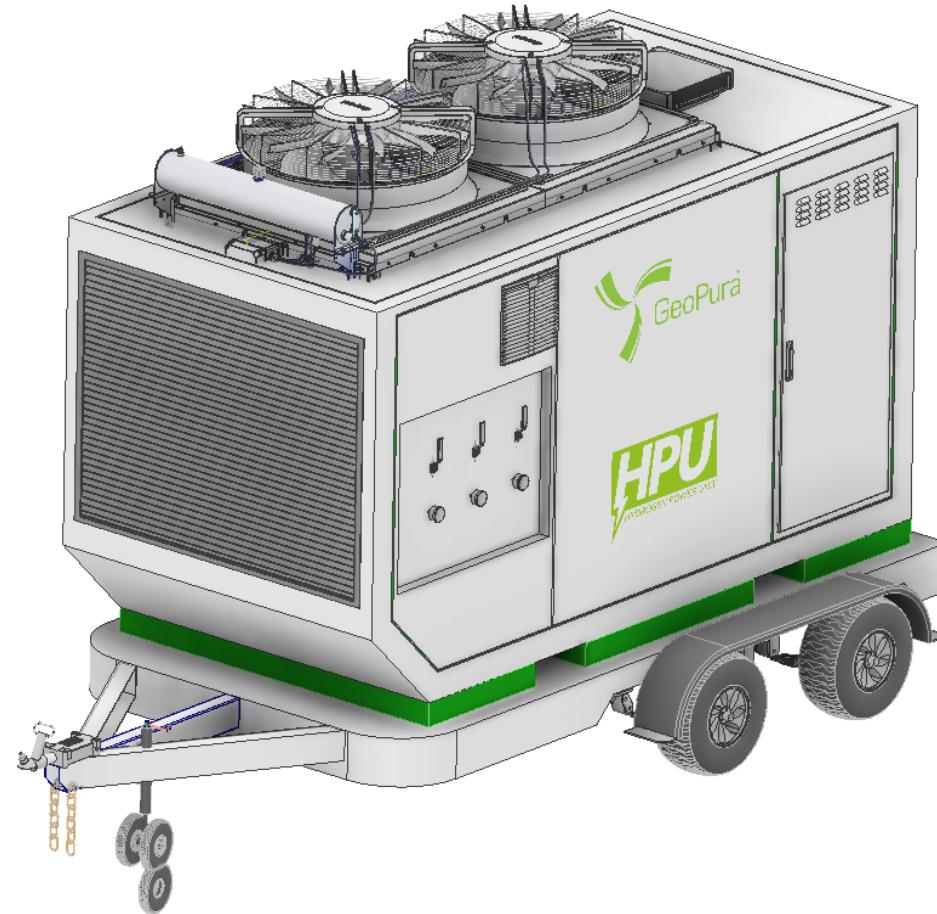


HPU-M (250kW)

Collaborating with **SIEMENS**
energy

Small mobile power systems:

- 80kW zero-emission, critical power
- Lightweight, towable HPU, designed by General Motors and manufactured by Siemens Energy
- Low noise - <65 dB at 1 metre for quiet operation.
- Smart connectivity - remote monitoring with cloud dashboard





- Former coal-fired site at High Marnham
- Production, Storage & Transport Hub
- 15MWe capacity
- 1 of 11 HAR 1 projects



Our Customers



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- Ideal for EV charging & transport, construction, film & TV production, outdoor events and more bespoke solutions.



- Proven by a wide range of high-profile commercial customers, including:



Strategic Command
Defence Support



uni
per

Balfour Beatty

HS2



Cadent
Your Gas Network



IMM

DP WORLD
TOUR



Energy for
generations

Some Recent Deployments



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Events and Festivals:

HPU2 at Big Church Festival



Lido Festival – second stage and site infrastructure



Main stage at BST in central London



Some recent deployments



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Construction and utilities:

National Grid: South Shields



Balfour Beatty – 5 year framework



Northumbrian Water

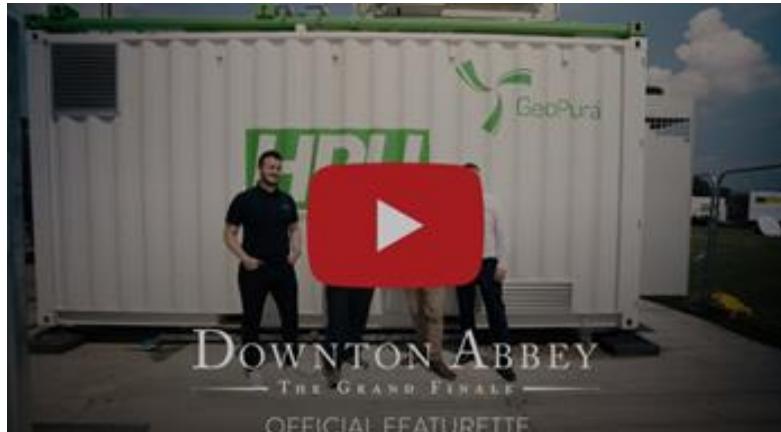


Some recent deployments



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Film and TV:



Unit Base on Downton Abbey
(Universal)



Production Base on The Diplomat
(Netflix)



Production Base on Bridgerton (Netflix)

Live broadcast of Amgem
Irish Open with ESB





DOWNTON ABBEY

— THE GRAND FINALE —

OFFICIAL FEATURETTE

Hydrogen by Rail



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- Historic first shipment of hydrogen by rail in Britain
- Collaboration across rail and energy sectors
- Rail as a future hydrogen distribution network
- Decarbonisation impact



Rail
Operations
Group



Vanguard



Hydrogen Power at RAF Waddington



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- **Zero-emission power demo at RAF Waddington** – reliable off-grid hydrogen power to a semi-permanent hangar.
- **Strong Defence engagement** – RAF, MOD, local government and defence partners
- **Wider decarbonisation** - supported EV charging and the world's first hydrogen-powered Christmas tree.


ROYAL
AIR FORCE



Ministry
of Defence

Our People



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Thank you

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