

HYENA

HYDROGEN ENERGY
APPLICATIONS

CLEAN POWER ANYWHERE



THE DIESEL DILEMMA

Diesel generators dominate Africa's backup/off-grid power but are noisy, polluting, theft-prone, and costly to maintain. They produce CO₂, NO_x, SO_x emissions and are unreliable in remote, underserved locations.

Hydrogen fuel cells are cleaner—but global deployment is limited due to no existing hydrogen infrastructure.



THE SOLUTION: THE POWER POD

A modular hydrogen fuel cell platform that generates clean, off-grid electricity using LPG, biogas, or natural gas—with no hydrogen supply chain required.



Future-proof: Runs on available fuels today, upgradeable to green hydrogen when available

Smart + connected: Cloud-managed fleet software, automated control suite, predictive maintenance

Hybrid ready: Pairs with solar/wind for 24/7 power

TRL 7: Demonstrated in real-world environments

HYENA.COM

ABOUT HYENA

HYENA (Hydrogen Energy Applications Pty, Ltd) is a spinout from the University of Cape Town, focused on solving the global challenge of clean, reliable off-grid power. Our technology bridges the gap between existing energy infrastructure and the future of green hydrogen, enabling immediate deployment.



WHAT WE'VE ACHIEVED

Letters of Intent signed for Proof-of-Concept trials:

- Telecom tower deployment (50+ site potential)
- Biogas rural site integration (goal: 100+ sites by 2030)

Proven control software, in-house developed

Real-world validations and successful funding rounds

Strong pipeline with identified early adopters across infrastructure, energy, and sustainability sectors

UCT shareholding in HYENA: Through IP assignment and investment

THE OPPORTUNITY: €750K TRIAL ROUND

HYENA is raising **€750,000 to execute pilot trials** at early adopter customer sites and to refine the POWER POD for targeted commercial markets.

This is the first tranche of a €10 million roadmap toward certified, scalable manufacturing over 3 years which will lead to:

1. Product certification & refinement
2. Pilot deployment with key partners
3. Establish low-rate manufacturing
4. Expand pipeline & secure commercial contracts



WHY BACK HYENA?

Immediate impact: Uses existing LPG infrastructure—no hydrogen network needed

Recurring revenues: Units + servicing + cartridges + SaaS fleet software

Expert team: Over 100 years of combined hydrogen, chemical and electrical engineering experience

Based in South Africa: Strategically positioned for the African energy transition

BE PART OF THE CLEAN POWER FUTURE!

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Request our full investor deck or set up a meeting and discover how you can take part in scaling clean energy innovation with HYENA.