





We Capture Carbon With Green Energy As An Output

AFFORDABLE, SCALABLE, DISTRIBUTED, CARBON-CAPTURING ENERGY

PROBLEM



We need to meet net zero targets



We need a reliable source of cheap and abundant energy

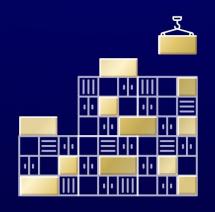


Current technologies only achieve one at the expense of the other

SOLUTION



Address the energy trilemma by generating abundant, affordable, zero emissions energy



Generators using our tech: cascade-able, modular, scalable, green



Retrofit & replace the internal combustion engine with our tech

TECHNOLOGY

Mormaír has replaced the internal combustion engine with a chemical looping combustion (CLC) engine. Using biofuels, it captures environmental carbon while it generates zero emissions energy.

This makes CLC a commercially feasible energy transition technology.

TRL 7 Reactor

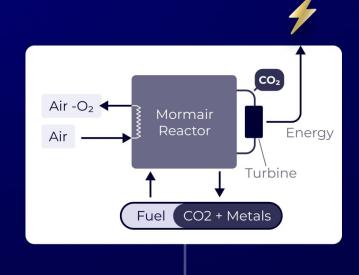


Prototype



Oxygen Carrier





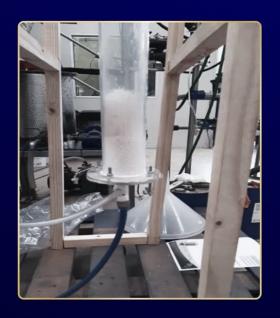


250kW Generator

DEVELOPMENT



GRANT-FUNDED







TRL 7

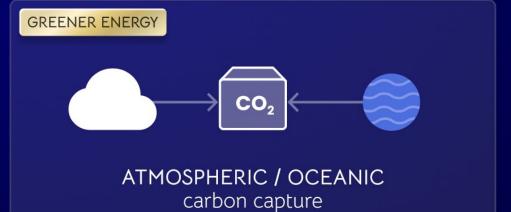
6-8 months

TRL 9

COMPETITIVE ADVANTAGE

BETTER ENERGY

- ANYWHERE
- ANYTIME
- ∳ ANY CAPACITY
- + AFFORDABLE





No new infrastructure needed to transition from fossil to biofuels



Use existing feedstocks with zero-emissions



LEADERS IN

CHEMICAL LOOPING COMBUSTION



UK	LOCATION	USA	
7	TRL	8	
✓	CARBON CAPTURE	✓	
✓	MOBILE		
✓	MODULAR	×	
ANY	FEEDSTOCK	ANY	
CO ₂	ents	CO ₂	
Electricity & Heat		Electricity	
Rare Earth Elements		Syngas	
Plastic / Resins / Polymers		Hydrogen	



25 MW PROJECT

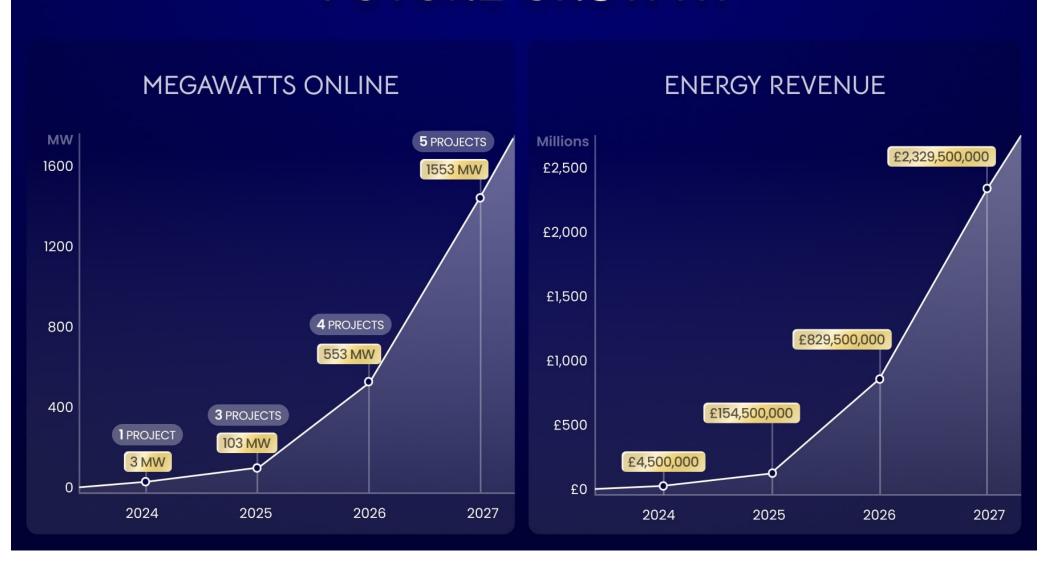


GO TO MARKET OVERVIEW

Mormaír's technology, the Goldberg Generator, has three main physical outputs and three intangible by-products. Each has its own time frame and GTM strategy

PHYSICAL OUTPUTS **BY-PRODUCTS** Energy Carbon Dioxide Removal Credits Electricity Heat Carbon Offsetting Credits Metals Electricity Heat Rare Earth Oxides Rare Earth Oxides Base/Transition Metals UHMWPE Aviation Fuel Automotive Fuel Base/Transition Metals Food/Medical Grade CO2 Carbon Dioxide Gas Net Zero Food/Medical Grade CO2 Renewable Energy Generation Net Zero Aviation Fuel Net Zero Automotive Fuel Origination Certificates Ultra-High Molecular Weight Polyethylene (UHMWPE)

FUTURE GROWTH



TEAM



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