



## ET Microgrid

### Corporate info

industry	Carbon Trades
product	Carbon credit generators
market	\$8 Trillion, 3 billion people
Comparable company valuations	CoolPlanet: \$150M Green Fuel: \$300M

### Key Statistics

Initial market	10 Rural units
Total market	200K units

### Finances

Funding stage	Seed
Capital	Founder based
<b>COSTS</b> -\$25k/ET Grid	<b>REVENUES</b> +\$250k
Annual cost	Annual Carbon Credits

### Competition

	ET Grid	John Deere
Value	\$250k	\$15 B
Alt. green power?	yes	no
Bus. Model?	Cap n Trade	Direct Sales

<b>TEAM</b>	For more information contact: 602 653-1000
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## ET Microgrid Executive Summary

ET Microgrids produce renewable energy for sellable carbon credits. Its activities focus on producing and selling carbon credits through small GenSets that use SynGas to generate 5Kw of power. Its byproduct is carbon-negative biochar for agricultural soil remediation. ET Microgrid operates an indirect sales model, offering carbon credits to customers who subscribe.

### Problem

Climate change is placing hardship on 3 billion in poverty. Dysentery and spread of disease can be prevented if they could just boil water, keep food chilled, and power small appliances. For every tonne of carbon dioxide we emit into the atmosphere, we sacrifice \$212 in environmental degradation and negative social impacts.

### Solution

**We sell ET Grid leases to top carbon producers, providing sellable carbon credits to offset carbon taxes. ET Microgrids are deployed to end users in impoverished communities to generate power for small appliances and heat to boil water to cook, clean, and create a path to equalization.**

### How it works

Carbon Credit Customers can buy an annual subscription for each ET Microgrid. Each ET Microgrid offsets up to 250,000 tons of carbon per year. End users get a portable microgrid that provides constant 5kW electricity, heat for boiling water, and biochar material for soil remediation. Carbon rich biomass (such as corn) is heated in an oxygen starved process that produces synthetic natural gas and biochar. The biochar is removed and tilled into the farm soil because it behaves as a sponge that soaks up water and atmospheric carbon and provides greater crop yields. The syngas feeds a small turbo genset that produces 5kW of electricity and heat. The heat can be used to boil water, to heat a residence, or cook food. Carbon offset data is tracked by two analog computers for taxes and reporting.

Carbon spot prices for eligible types:

- Energy Efficiency - 8.20€/tCO2e + 1€ Fairtrade premium
- Renewable Energy - 8.10€/tCO2e + 1€ Fairtrade premium

### Market

As of 2015, the Carbon Trade Economy was worth €5Trillion and set to grow. 3 billion people do not have the ability to boil water.

### Competition

Within distressed regions, diesel generators are used. They are too costly for most.

### The secret sauce

ET Grid has a team that has beat this problem through several DOE SBIR research grants. The rising value of the global carbon markets makes this the right time.

### Channels

ET Grid is connected to the Euro hub, Startup Dubai, and the Thunderbird Network.

### Fundraising-Seed

\$250K is being raised to deploy the first 10 units in 2021.

### Founder: Elliott Hobbs ASU-Thunderbird Graduate

DOE Future Fuels award for sustainable power stations. Contact: ryan@hobbsenergy.com

**Principal Engineer: Ray Hobbs-University of West Virginia, Master Me, P.E.**

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