

EMISSION FREE GENERATORS

Continuous, zero emission electricity in a portable, easy-to-use generator

Emission Free Generators, Inc

Creators of Continuous
Zero Emission
Portable Generators



emissionfreegenerators.com Portland, OR

Details

Highlights

- 1 ⚡ Creators of the only continuous, zero emission generator
- 2 🌍 No fossil fuels. No batteries to recharge. No solar panels required
- 3 🇺🇸 Technology proven by the US Army
- 4 ✅ Portable & easy to use- silent, clean & safe
- 5 🔥 Never runs out of power - uses fuel cartridges delivered to your home
- 6 📋 Innovation roadmap includes products for emergency backup power, outdoor camping, EV range extender

Our Team



Mark Collins CEO

Multiple patent holder, 25 years inventing and running own businesses. 17 years working in hydrogen production and storage. Most recently designing and manufacturing military grade, hydrogen on demand, power generators for charging batteries.

We all depend on electricity to stay in touch, interact and work, and live. Unfortunately, industrial power grids are increasingly unreliable or inaccessible. Currently available generators require unacceptable tradeoffs for people and planet, or are simply impractical. We have the technology, ambition, and determination to overcome these problems.



Andrew Singer CFO

Seasoned finance executive with 30 years of C-Suite experience, most recently as CFO Toyota UK.



Tom Buday CMO

Successful executive with 40 years of international experience, most recently as Global Head of Marketing for Nestle, the world's largest food & beverage company.

Pitch

Emission Free Generators, Inc

Creators of Zero
Emission Portable Generators

November 2022

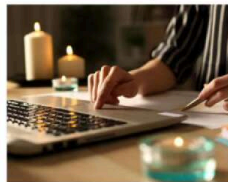


Our company purpose

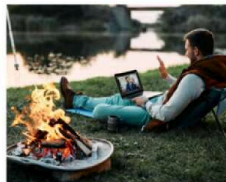
To provide clean electricity to everyone, when and where they want it, for as long as they need it!



The problem - industrial power grids are inadequate to meet today's electricity needs



Increasingly unreliable
for life at home



Inaccessible for off-grid living
and to many underserved communities

The unpleasant reality



Twelve-fold increase in major
US power disruptions between
2000 and 2020



1.6 billion people worldwide
live without a reliable source of
electricity

Source: U.S. Energy Information Administration

Today's "solutions" require unacceptable trade-offs for people and planet



Fossil-Fuel Generators

High carbon emissions
Unsafe for indoor use
Noisy with noxious fumes



Battery Packs with Solar Panels

Carbon emissions from grid recharging
Limited battery life
Solar recharging is slow and requires
adequate sunlight

Our solution - the world's first zero emission, fully reliable portable generator

- Ability to produce 110V AC and USB power continuously with no re-charging
- Virtually silent



- Independent of grid, battery & solar
- Easily portable at only 16" x 11" x 9" and 20 lbs (final size tbc)



Our solution is the only known generator in the world that is...

- Fully portable (easily carried, not pushed on wheels)
- Continuous (no secondary power source required)
- Zero emission (No CO2 or toxic fumes)
- Fully functional anytime, anywhere, regardless of light or ventilation.

Our fuel - proprietary powder in an easy to use cartridge

- Fuel in a clean, recyclable cartridge
- Fossil free ingredients, non-toxic
- 50+ year shelf life
- 100% recyclable or repurposable fuel



Simple, intuitive user experience



Users can then power a range of devices, for example...



.....Proven in the toughest conditions by the US Army

- A military version of our hardware and fuel is now being used by the US Army
- Rigorous testing was conducted via the Army Research Lab (ARL) and small power unit team based in Fort Belvoir and Aberdeen Proving Grounds
- Future projects with the US Air Force, Navy and Special Operations are being planned



Current estimated market size for portable generators - USA





ESTIMATED GLOBAL MARKET SIZE COMPARED TO US MARKET

- Projected 7.6% CAGR Battery and Solar through 2026
- Projected 5.1% CAGR for Fossil Fuel through 2026

Source: EFG estimates, GM Insight, Fortune Business Insights

The time for hydrogen is now

"Hydrogen is today enjoying unprecedented momentum. The world should not miss this unique chance to make hydrogen an important part of our clean and secure energy future"

- Dr Fath Birol, Executive Director of International Energy Agency

Market potential confirmed by consumer feedback

The EFG Portable Generator was concept tested with US consumers to determine consumer appeal and forecast sales potential



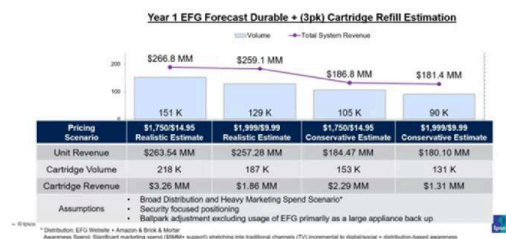
- Consumer survey conducted by IPSOS, an internationally respected consumer research company
- The EFG generator concept was evaluated by 1,500 representative US consumers
- Questionnaire included purchase intent, liking, perceived value, likes/dislikes



1st year retail sales as forecasted by IPSOS exceed \$180MM

- Assuming broad distribution and heavy marketing support, EFG has the potential to generate unit sales in Y1 priced at \$1,750 (generator)/ \$14.95 (3pk cartridge)

151k



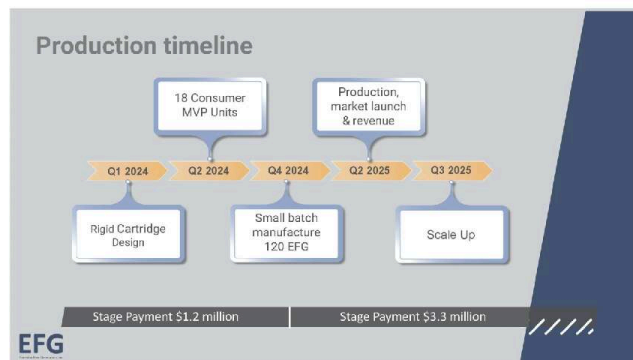
(Forward looking projections are not guaranteed)

EFG generators vs. the competition

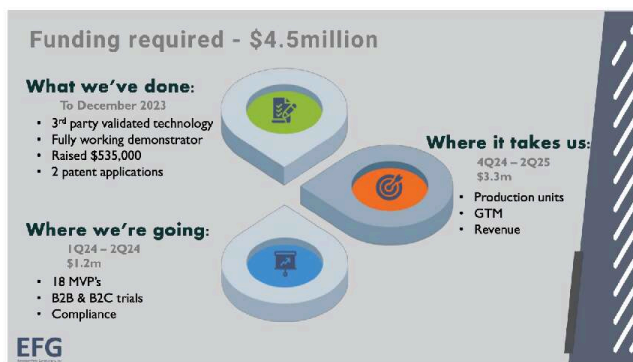
	EFG	Fossil fuel generators	Battery packs with solar
Emission free	YES	NO	Not when recharged via grid
Indoor friendly use	YES	NO	Not when recharged via solar
Grid independent	YES	YES	Not when recharged via grid
Continuous power	YES	YES	NO
Easily portable	YES	NO	NO

EFG product launch road map 2022-2024







Note: future milestones are not guaranteed




The Team



Mark Collins
Co - CEO
Co-Inventor of EFG Technology,
30 years Product Design



Tom Buday
Co - CEO
Ex-Global Head of Marketing,
Needle



Andrew Singer
CFO
Ex CFO Toyota UK, 30 year "C"
Suite Experience