

Partnership Opportunity

P.G Solar Greener

P.G Solar Greener is a company developed a breakthrough innovative, patent protected solutions for the renewable energy industry.

Peter Graner the founder and CEO of P.G Solar is a professional engineer, Electric technician and Motorcycle mechanic, with more than 40 years of experience in the Design, Manufacture and Air automation consulter of customized equipment for: assembly machines, industrial heat transfer and generators.

Ultra-hybrid panels project on a building roof





P.G Solar Greener Technolgies

1. Flywheel Engine Generating and Storing Energy

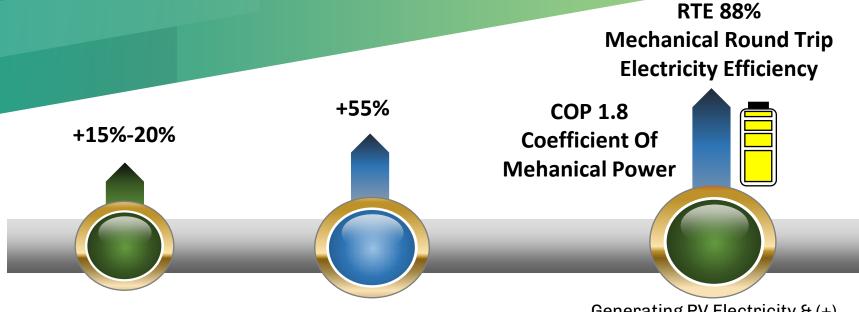
A Flywheel Engine with peripheral chambers fed by Multi-Stage Jets Boosters of: Compressed Air, Steam, Compressed Water.

There is an option for Compressed Air combined with Hydrogen (a replacement for a conventional combustion engine currently available in the world)

2. Ultra Hybrid Bifacial PV & Residual Hot Water solar panel

Micro-Grid, coupled with Ultra Hybrid Bifacial Electric & Residual Hot Water solar panel (PVT), integrated with Energies and the Flywheel Engine Generator.

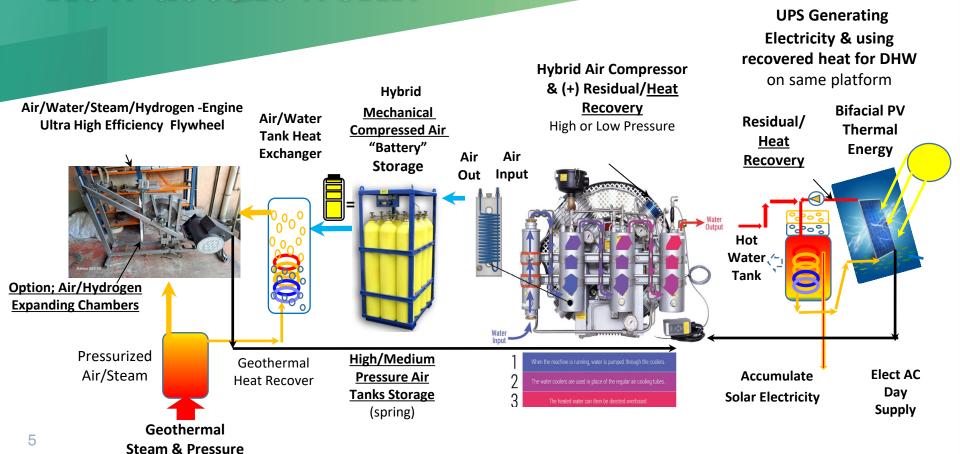
2 Stages Increased Efficiency



Bifacial PV cooling Increased Electrical Power Generation

Generating More Usable Electricity & Hot Water on the same platform combine Hybrid A/C Generating PV Electricity & (+)
35% Residual Hot Water
Accumulate Electricity + Hot
Water/Air Hybrid Air "Battery"
Storage

How does it work?



PG's Integrated Panels

- A breakthrough patented of Micro-Grid, coupled Solar PVT with Storage and Air/Water/Steam Electric generation.
- Ultra Hybrid Air/Hydrogen "Battery" Storage.
- same price compared to Lithium batteries storage at the same volume.

P.G Solar Greener Vs Lithium Batteries

	P.G Solar	Lithium Batteries
Storage long duration (above 24 hours)	YES	NO
Use <u>Medium Pressure</u> (Not Explosive)	YES	
Uses standard & locally available materials & Maintenance	YES	NO
Safety (Flammable)	YES	NO
Renewable Energy Green	YES	NO
Hazardous waste <u>removal at END of</u> <u>LIFE</u>	NO	YES
Yearly Performance Degradation	0	2-3%
Life Expectancy	50+ Years	10-12 years

How can potential collaboration benefit?

- **New strategic markets** Competative edge in the urban environemnt.
- Operation costs and efficiency Increased FlyWheel Engine (turbine) efficiency and reduced construction, operation, and maintenance costs.
- Increased Storage Ability to Store Energy from the Steam/Low cost Electricity at night and low consumption periods, reuse energy with fast boost response.
- **Ability to replace Lithium batteries**, removing the need to replace batteries over time.

A Potential Energy Generation & Storage projects in Germany & Israel

- A project with Geothermal Energies in Germany
- combining geothermal energy with Flywheel Engine (turbines) to generate electricity. As well as EPC.
- P.G Solar Greener will bring its Hybrid Flywheel Engine generate electricity and Energy Storage & Hybrid PV Thermal Systems and technology knowledge.

Thank you!

Peter Graner
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