

System Benefits

DRASTICALLY REDUCE YOUR POWER RATES

INCREASED EFFICIENCY
24/7 Power. No Outages

REDUCED EXPENSES
Lowers Energy Costs by up to 75%

RELIABLE & CONSISTENT
No Power Spikes. No Peak Rates

ECO-FRIENDLY
Smaller Carbon Footprint

CUSTOMIZABLE
Scales Up to 500MW, Renewable Energy Compatible

SAVING FROM DAY ONE
Zero Down Green Project Funding Provides Guaranteed Savings

TAX INCENTIVES & UTILITY REBATES
Qualifies for Up to 26% Investment Tax Credit

USA MADE
Our systems are Made or assembled in the US

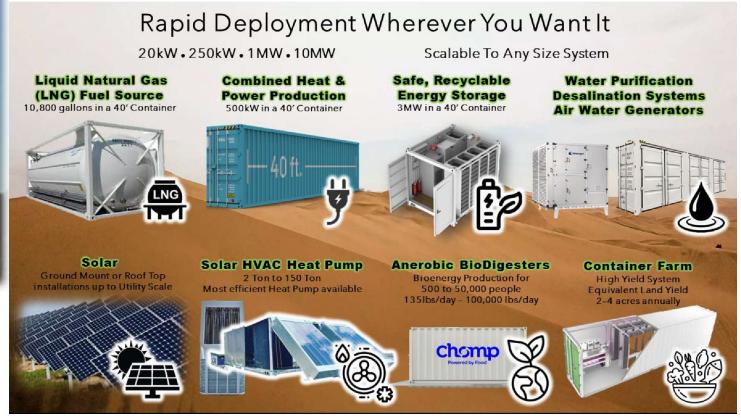
OPERATION GRID FREEDOM

Our complete system is the most robust group of products that can provide an exit from the Grid whether you want 14 days of sustainable backup power or to exit the grid for a sustained period of time.

- **Utility Scale Combined Heat and Power (CHP) for 500MW or more reliable power production.**
- **Utility Scale Solar Thermal & Solar Power for up to 100MW of renewable energy.**
- **Utility Scale Energy Storage. Energy Storage is a critical component for Grid Independence. Store energy from the CHP Power Production, Solar Energy and even off peak times from the Grid when rates are at their lowest.**

Power Production, Energy Storage, Water Sustainability, Food Stability & Shelter Security.

INFRASTRUCTURE IN AN INSTANT



- **Containerized Liquid Natural Gas (LNG) Fuel Source – 40' LNG Storage**
- **Containerized Combined Heat & Power Production – 500kW to 1MW per 40' container**
- **Containerized Energy Storage – 2.5MW in a 40' container - rapid charge, no thermal runaway fires**
- **Containerized water purification / desalination system & Air Water Generator for drinking water**
- **Solar Thermal Systems & Solar Power Production – up to Utility Scale**
- **Solar Thermal HVAC Heat Pump – 5 Ton to 150 Ton – most efficient Heat Pump available**
- **Containerized Sewage Treatment System**
- **Container Farm – high yield produce systems**

GIVE ME SHELTER



Fold out purpose built structures with up to 310 sq ft of conditioned space with a 10 minute set up. Use in tandem for larger space needs for a Command Center, Field Hospital, Barracks, Mess Hall, Latrine & Showers, Laundry or other needs.
Rapid deployment wherever you want it.

CONTACT

US Gas And Energy
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OPERATION GRID FREEDOM

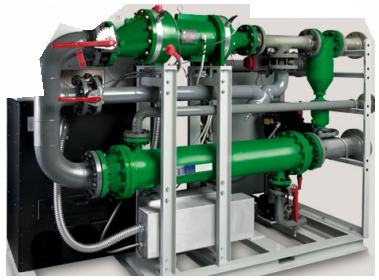


POWER OUTAGES AFFECT CRITICAL MISSIONS & IMPACT TROOPS & THEIR FAMILIES

Outages are becoming more common and happen at the most unexpected times.

OPERATION GRID FREEDOM puts power outages in the past.

Solar Thermal Heat & Power Generator



CRITICAL PART OF MEETING POWER NEEDS OF THE FUTURE

Uses Clean Solar Thermal Power

On-Site 24/7/365 Reliable, Always On Power & a Reduction in vulnerability to terrorism and power outages. Up to 1MW per 40' container & scalable. Increased Electric System Reliability as a Primary / Emergency supply of power.

Blends with & controls Renewable Energy Sources including Energy Storage Systems.

Energy Efficiency up to 90% vs just 30% efficiency for Centralized Power Production

The Grid is dead,
Long live decentralized power.

Container Farming

Sustainable farming year-round in any environment. This is the most efficient use of space, water, and nutrient resources to produce continuous vegetables and produce.



Solar Power

Rooftop Solar & Ground Mount Solar up to 500MW & Utility Scale Systems



WHEN THE GRID GOES DOWN... SOLAR GOES DOWN.

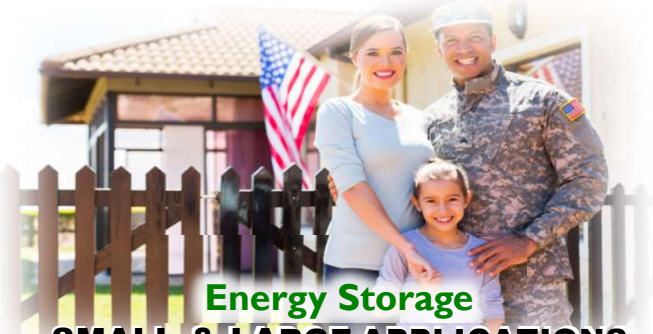
This is to prevent back feeding the Grid & endangering Linemen.
Our MicroGrid Systems keep Solar working.





Hazardous Waste Management

Waste can be eliminated with an EPA approved system that is economical and environmentally friendly.

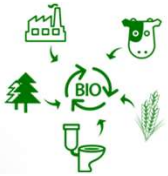


Energy Storage
SMALL & LARGE APPLICATIONS

The keystone of any microgrid, & our Energy Storage is a dynamic changer. Safe and eliminates concerns for explosions & thermal runaway.



BioEnergy



Convert food, animal, and human waste to BioFuel, extract and purify water and create an odorless EPA approved fertilizer increasing crop yield 30%.

Water Sustainability



ACCESS TO WATER IS A CRITICAL ISSUE WORLDWIDE

Our systems process water to remove various contaminants for pure water for drinking, crops and other uses and can also do desalination for fresh water use on a Military Base and on deployment.

Solar Thermal HVAC Heat Pump & Absorption Chiller Systems

Heating and cooling has a significant energy demand. We offer several solutions to reduce the expense of comfort for your facilities.
Our Solar Thermal Systems can save you up to 50% on cooling and 90% on heating, offering unsurpassed savings with no compromise in your facilities comfort.

24/7/365 Reliable, Always On Power • Increased System Reliability • Blends with All Renewables