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

#### **System Benefits**

**DRASTICALLY REDUCE YOUR POWER RATES** 



REDUCED EXPENSES **Lowers Energy Costs** by up to 75%



CUSTOMIZABLE Small Applications to **Utility Scale** Renewable Energy

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SAVING FROM

Zero Down Green EaaS Available<sup>3</sup>



CONSISTENT No Power Spikes No Peak Rates



Smaller Carbon

Footprint

**Project Funding Provides Guaranteed Savings** 

**UTILITY REBATES** Qualifies for Up to 60% Investment Tax Credit\*

All products are designed & built in the USA

### **GRID FREEDOM**

Our complete system offers the most robust group of products that can provide an exit from the Grid.

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

## **Outage Free Power Production**

## **OUTAGE ANXIETY**

#### WHEN A POWER OUTAGE HAPPENS

**Basic Functions Such As Powered** Wheelchairs, Fire Systems, Air **Conditioning, Water and Food Prep** And More All will Cease To Function, Affecting Patient's Care and Lives.

\*Outage Anxiety may affect you differently

WERE YOU AFFECTED BY THE LAST OUTAGE? **DON'T BE AFFECTED BY** THE NEXT ONE

#### **UNLIMITED POWER**

10kW 20kW 250kW 1MW Scalable to any size system. Natural Gas lines are underground and protected, not often affected by unexpected occurrences such as storms, accidents, and who knows what. Scalable systems to provide power for any size operation.

On-site Power Production Using Natural Gas Has Unlimited Benefits!





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## CONSTANT **UPTIME FOR** MISSION-CRITICAL HEALTHCARE



**HOSPITAL DOWNTIME IS UNACCEPTABLE WHEN ELECTRICALLY-POWERED MACHINES ARE KEEPING PEOPLE ALIVE. BUT THE CONSEQUENCES** OF HOSPITAL POWER OUTAGES GO BEYOND THE LOSS OF LIFE.



#### Micro Combined Heat & Power









#### 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 and endangering Linemen.

Our MicroGrid Systems keep Solar working.



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



#### CRITICAL PART OF MEETING **POWER NEEDS OF THE FUTURE**

Uses clean Natural Gas or Propane, and Hydrogen where available.

- On-Site 24/7/365 Reliable, Always On Power
- Reduction in vulnerability to terrorism
- **Increased Electric System Reliability**
- A Primary / Emergency supply of power
- Blends with & controls Renewable Energy Sources including Energy Storage Systems

Carbon Output is well below EPA Standards

#### Solar HVAC

This market disruptive heat pump is the only one of its kind to use ambient light to compress the refrigerant gases without the compressor doing the work. This results in up to 90% savings on heating, 30%-50% savings on AC and maintains operations in extreme temperatures as low as -20°F.



### **Hydronic Applications**

Utilizing the heat from the MCHP Unit, we can repurpose it to heat your hot water, and the general areas of your facility. That means eliminating your heating and hot water expenses related to janitorial, building and other heating needs.



Convert food, animal/human waste and other Biomass to BioFuel and extract water for recycling. The process produces an odorless EPA approved fertilizer and possible additional revenue stream.

#### **LED Lighting**

Simply put, fluorescent lighting wastes energy. If you have not already changed to LED Lighting now is a good time. Make the switch and save up to 75% on energy and save more with Tax Credits and other incentives.

#### **Water Sustainability ACCESS TO WATER IS A CRITICAL ISSUE WORLDWIDE**

Our systems process water to remove various contaminants for proper disposal of effluent water and a significant portion of the water for reuse saving water and energy usage.