



**PLUG AND PLAY  
ENERGY SYSTEMS LLC**



IS

a CUSTOM DESIGNED and ENGINEERED, integrated multi-source energy generation, single or multi-point storage, inverter, substation, grid management, distribution; HYBRID hardware and software solution that interconnects with any existing grid or management architecture.

PowerLord will service any single or multi-point input, distribution or demand structure. PowerLord includes Military, Utility, Commercial and Residential solutions, providing individual design, engineering, hardware and software platforms for our customer's unique situation, no matter size or existing inputs, distribution, demand or configuration.

PowerLord software solutions or patches provide multi-layered communication options to suit all security, public safety or emergency service requirements.

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**INTEGRATES**

**Renewable and Fossil Fuel Generation**  
**Safe and Durable Single and Multi-Point Storage Solutions**  
**Smart Macro, Micro and Mini Grid planning and development**  
**Distribution, Billing and Power Purchase Sharing**

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IS

**Battery Storage**

Environmentally SAFE - - **100% Recyclable**  
Not Combustible, Durable, High Cycle and Extremely Dense

**Does NOT**  
Require cooling and  
Contains NO, dangerous **Lithium**

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Custom Designed [Grid Management Software Solutions that add:](#)

- Stability to the main grid
- Energy loss reduction
- Improved Reliability
- Energy Control and Management Enhancement

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## **INTEGRATION - MANAGEMENT - CONTROL - SECURITY - SOFTWARE**

**PROJECT SPECIFIC SOFTWARE** integrating existing and new resources utilizing fiber optic and wireless remote sensing and controls. [PowerLord](#) Backbone or Patch software solutions enhance security by merging with, if necessary, Siemens, Cisco and Honeywell products.

The US government intranet is hacked over 1 million times per day. Hurricanes, floods, tornado's, and deep snow add to the Grid's problems. By adding an additional level of control and security, PowerLord can enhance resistance to foreign penetration in national emergency and weather related situations.

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an **Integrated Software and Control System** for Connected Macro, Micro or mini-grid (ISCS) (wireless and fiber-optic) can be used to manage load priority, storage and frequency to the grid, improving the reliability of any grid.

The [PowerLord](#) micro-grid can operate in either a grid-connected mode to enable energy transactions with the main electrical grid or an islanded (standalone) mode if there is a fault in the main grid. PowerLord can integrate with Cisco, Honeywell and Siemens grid management software.

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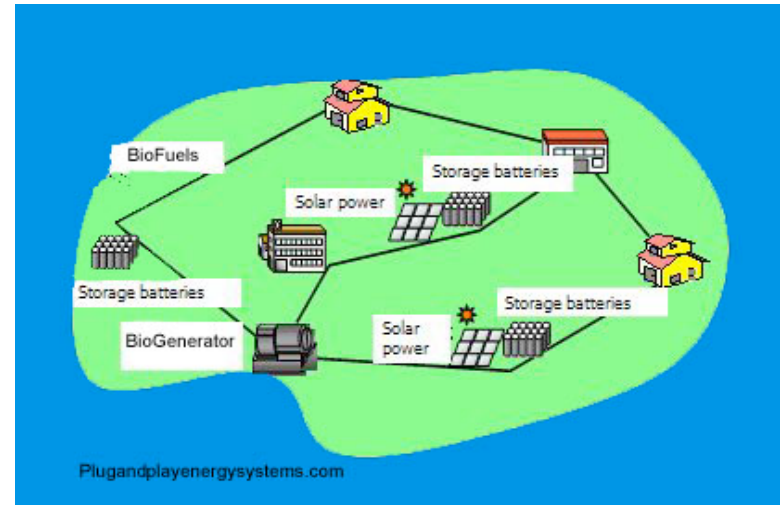
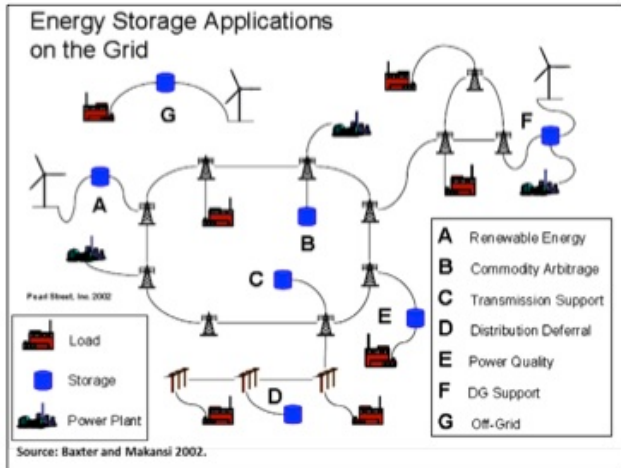


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## MACRO & MICRO GRID MANAGEMENT



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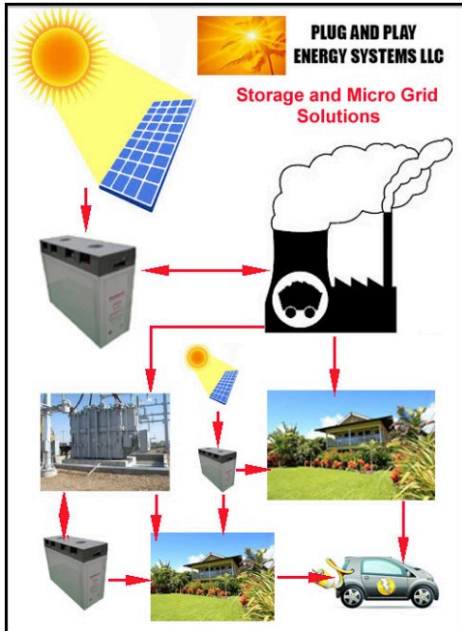


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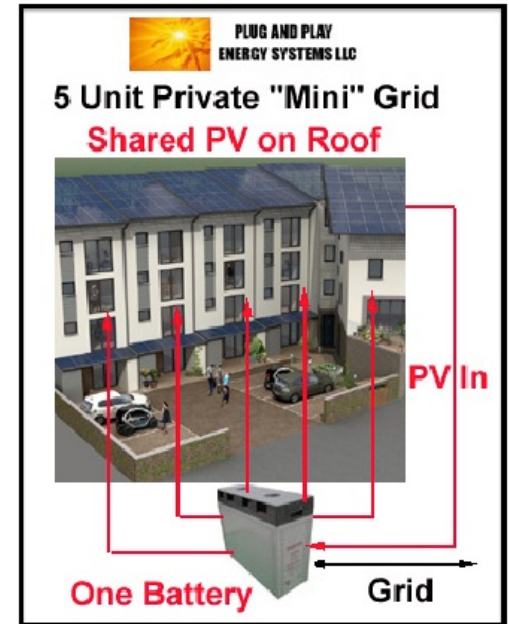
### SUB-MICRO & MINI GRID MANAGEMENT

**PowerLord** is Substation and Resource Management. Sharing and allowing multi-point and multi-source Generation, Storage, Control, Distribution, Security and Metering.

FIT with Utility and PPA agreements in Mini Grid are easily managed.



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**PUBLIC SAFETY and EMERGENCY SERVICES**



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PowerLord, your Military, Utility, Commercial and Residential solution providing individual design, engineering, hardware and software platforms for our customer's unique situation, no matter size or existing inputs, distribution, demand or configuration.

PowerLord software solutions or patches provide multi-layered communication options to suit all security, public safety or emergency service requirements.

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