Green Energy Management System

Sustainable Universal Networkable Systematical
SUNS G.E.M.S. PHILOSOPHY

1. Green Energy Source – Sun, Wind, Water
2. Energy Management System – BMS
3. Energy Storage System – Battery, Flywheel
4. Energy Supply System – Inverter, Motor
5. Monitoring & Control System – SCADA
6. Start up and Commissioning
7. Service and Maintenance
8. Technical Support
9. Training

Agriculture, Construction, Industrial, Mining

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Green Energy Management System (GEMS)

Platform for Green Energy Innovations
SUNS Green Technology - Products

- **GENIE™** – Green Energy Network of Integrated Electricity
  A Battery Management System (BMS) integrating green energy generators to store $V_{DC}$ in energy storage systems (ESS) for power Inverters (LOAD) output in $V_{AC}$ for power applications

- **GEEK™** – Green Energy Electrical Kit
  - An integration of green electrical systems
  - Environmentally friendly; No GHG emissions, No Noise
  - A turnkey Hybrid Off-grid green energy generator
  - Integrated APC system for Smart operation
  - An Energy Asset; generates revenue without expense
  - Peak shaving and load shedding for Electrical grids
  - Costs less to operate over a period of 20 years (5¢/KW)

- **PACT™** – Predictive Automation Control Training
  - SCADA system by Sun's Automation

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GENIE™
Battery Management System

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GEEK™
Green Electrical Energy Kit

NO GHG EMISSIONS - NO NOISE POLLUTION

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GEMS CONFIGURATION

Uninterrupted Power Supply

Emergency Backup Power

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Advantages (ASIG)

- Optimized Green Energy source
- No GHG, No carbon footprint, No Noise pollution
- Eliminates downtime from brownouts
- Eliminates electricity cost (Energy Asset)
- Increases production, yield and profit
- Creates long term local high value jobs for multiple industries
- A platform for S.T.E.M.
- Promotes local economy
- Safe-guards community
- Opportunities for Li-Ion battery recycling
Contact

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