

Greenleaf Advisors' Energy Services Integrated Microgrid Product

Greenleaf Advisors brings together leading energy developers, integrators, providers and EPC firms to optimize operational and financial benefits for customers through integrated microgrid services. "A microgrid is a group of interconnected loads and distributed energy resources (DER) with clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid [and can] connect and disconnect from the grid to enable it to operate in both grid connected or island mode." - *Department of Energy*

IT TAKES THE INTEGRATION OF MULTIPLE EXPERTISE TO DELIVER ON THE PROMISE OF MICROGRIDS



G&W Electric (G&W) (gwelec.com) is a global leader in switchgear & automation products that are the key to islanding in a microgrid. Their cyber-secure microgrid controller, intelligent switching equipment & load management products deliver efficient fault detection, isolation and restoration, that are central to performance.



G&W is integrating **ABB** (ABB.com), an expert in designing and building off-grid and grid-connected microgrids, into solutions for the wastewater, data center, hospital and university sectors. Their microgrid solutions ensure power supply resilience, power quality, sustainability and cost-effectiveness in a broad range of applications.



Intelligent Generation (intelgen.com) is an innovative SaaS company which manages energy storage assets at the microgrid through its patented technology and cloud-based platform. It generates revenues in wholesale power markets, reduces retail energy bills, and supports business critical systems with battery back up power.



GreenCity Power (greencity-power.com) is expert in the design, development, and operation of co-generation and thermal efficiency projects that offer natural gas sourced electricity, heating, and cooling services. GCP has capital available to finance the entire microgrid solution.



Grumman/Butkus Associates (grummanbutkus.com) is an award winning consultancy and engineering design firm specializing in sustainable energy solutions. Their services improve and maintain the performance and efficiency of systems throughout the entire lifetime of a building or facility.

FEATURES OF THE INTEGRATED MICROGRID

- **Integration:** One team approach covering supply, design, development, and operation.
- **Self Generation:** Reduces grid dependency with clean energy resources (e.g. CHP, solar, wind).
- **Controls:** Hardware components and power flow logic designed for customer priorities.
- **Energy Storage:** Provides backup, renewable integration and wholesale market opportunities.
- **Intelligent Switching Equipment:** Manages island mode operation (grid disconnected).
- **Economic Optimization:** Management of load and generating assets for bill reduction and revenue through wholesale market participation.

BENEFITS

- Resiliency, reliability, & security
- Reduced carbon footprint
- Consumer choice and control
- Efficiency gains
- Economic gains

Greenleaf Advisors is a **consulting** and **transaction-services** firm that helps enterprises and communities develop sustainably by bridging the resources and strategies they need to grow in a healthy way.



**GREENLEAF
ADVISORS** LLC

For more information and to collaborate, please contact John Andersen (jandersen@greenleafadvisors.net), or Katie DeMuro (kdemuro@greenleafadvisors.net)