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Microgrid Development

As the electric grid becomes more distributed and interactive, microgrids will play an important role in our energy future. Decision makers across the world are increasingly turning to microgrids to meet economic, resiliency, and environmental goals. However; self-sustaining mini-power systems represent additional complexity to developers and operators.

Individual facilities, corporate and institutional campuses, residential communities, and military bases will increasingly find value in functioning as a distributed energy resource or even going "off grid" entirely.

EnerNex helps facilitate microgrid development through all stages of the project.

EnerNex Microgrid Services

EnerNex's team of experienced power and systems engineers, control systems and technology experts and program managers provide clients with the unique ability to address the most complex engineering and system development and implementation issues inherent with microgrid development. From conception to completion, EnerNex's array of services enables the implementation of successful microgrid projects. EnerNex services include:

- In-depth engineering, environmental, facility, and economic project analyses;
- Advanced methodologies to extract financial and key business objectives;
- Well-defined requirements and specifications for system design, RFP development and vendor evaluation;
- Development of technology roadmaps and standards-based operation systems that incorporate cyber security, scalability, and communications;
- Power system engineering simulations and system studies to verify the microgrid will operate as expected;
- Creation of integration and operational testing requirements for verification at the design and pre-acceptance levels of construction;
- Design and verification of detailed microgrid architecture; and
- Comprehensive owners engineer services.

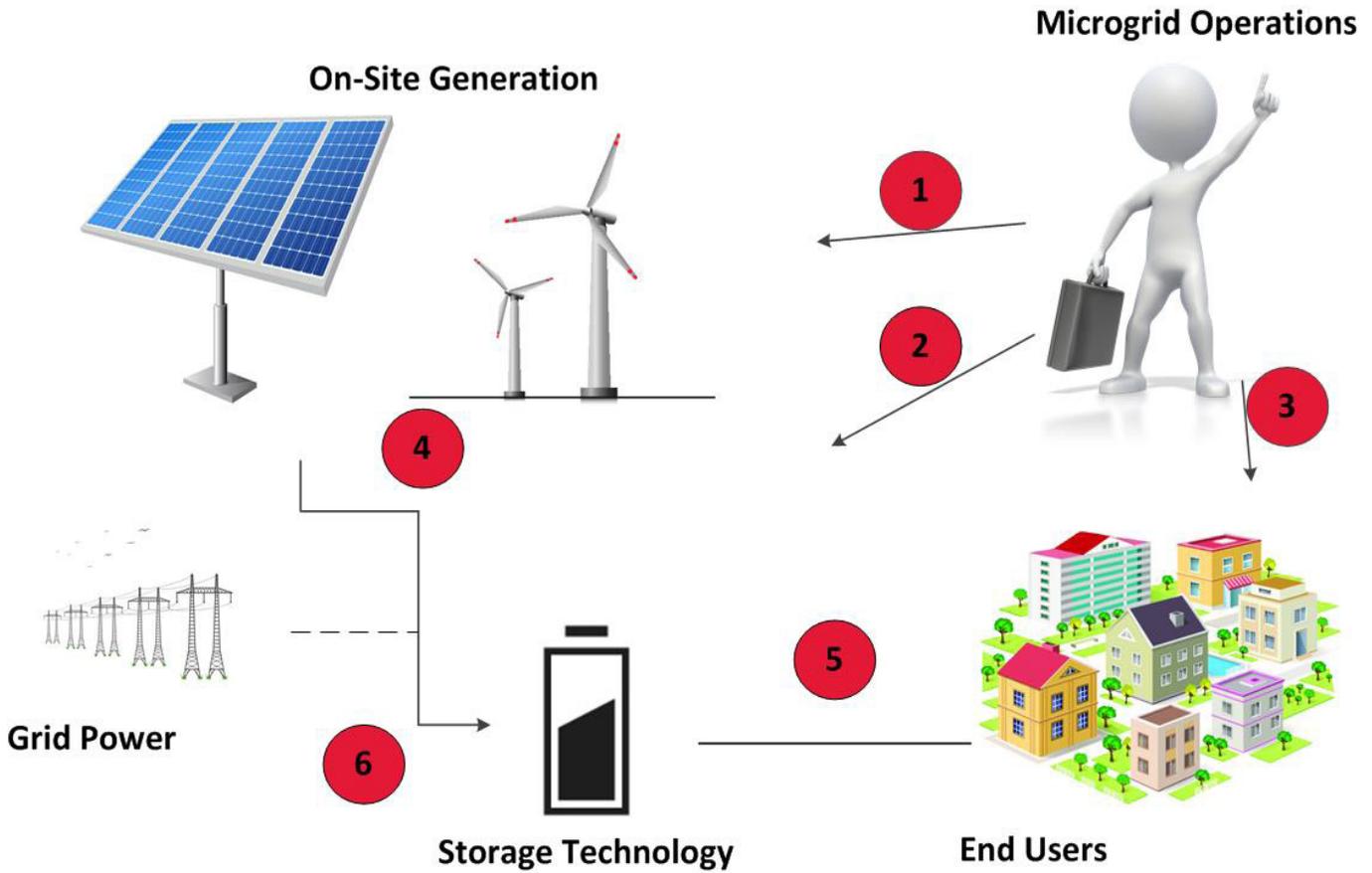
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Microgrid Development

EnerNex facilitates microgrid development throughout all project phases.



PROJECT PHASES

1. System Design and Verification
2. Business Case
3. Program Management
4. Performance Assessment
5. Interoperability Testing
6. Interconnection Engineering

REPRESENTATIVE CLIENTS

- United Illuminating
- Fortune 50 Technology Firm
- Hawaiian Electric Company
- San Diego Gas & Electric
- Southern California Edison
- USC-San Diego Academic Center