A Grid Made of Microgrids

RPSi

What is a Microgrid?

- Local energy generation
- Islandable
- Self-contained

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The Paradigm Shift

- A highly distributed inverter-based grid
- Lack of generator-based inertia
- Decarbonization and Electrification

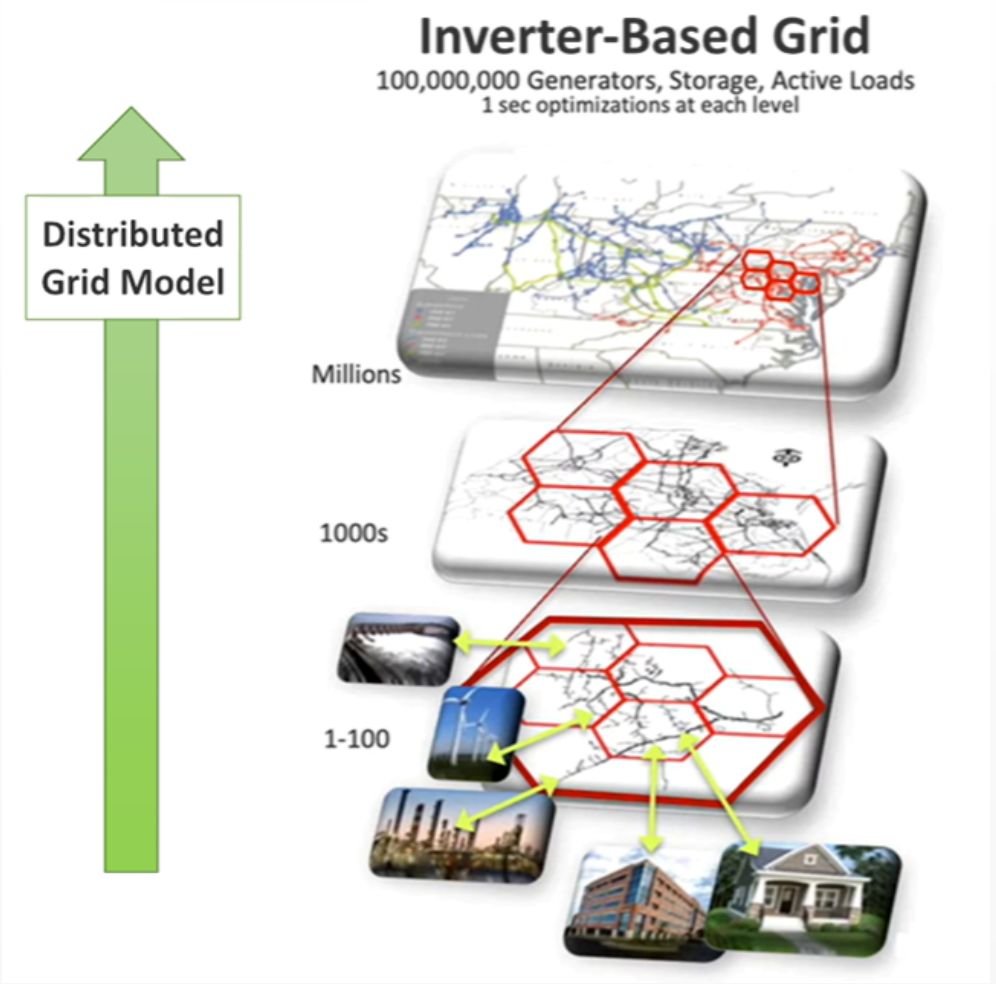

Figure courtesy of U.S. National Renewable Energy Lab

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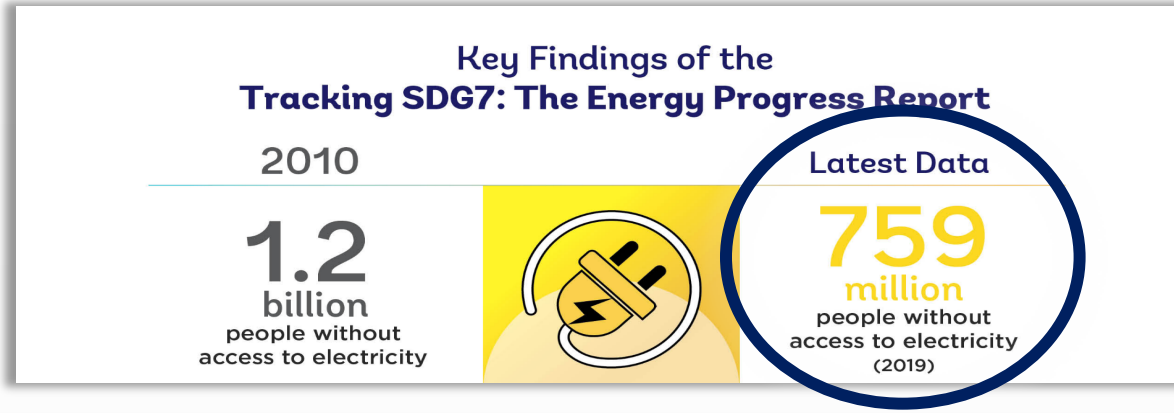
Developing Infrastructure



Globally, over a billion people lack reliable access to electricity.

Microgrid technology can limit the affects of climate change and help end energy poverty.

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Decarbonize and Electrify

Public policy requirements and private sector demands for decarbonized electricity continue to accelerate.

Microgrids are vital for rapid electrification and stable integration of clean-energy-based resources.

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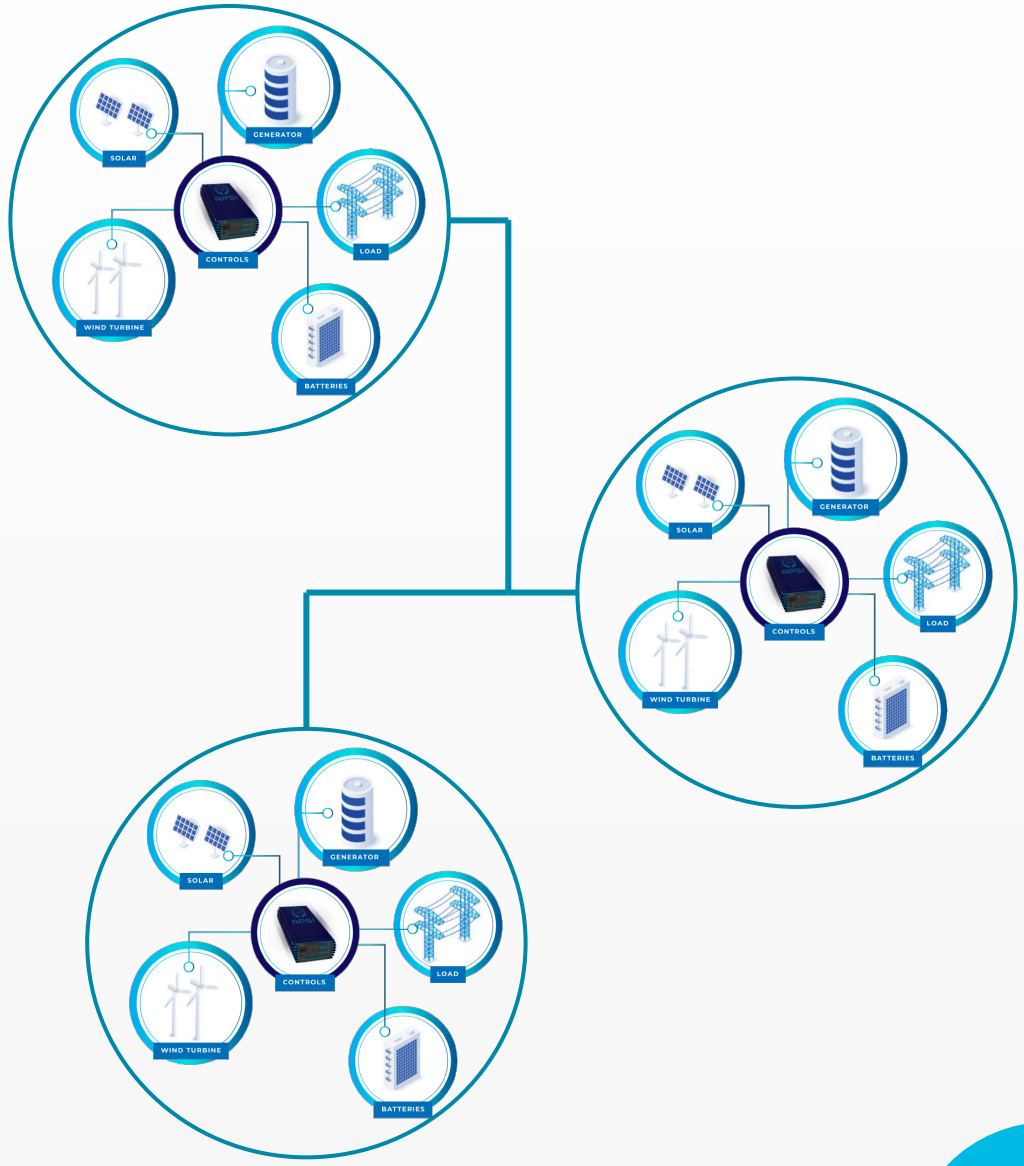
Microgrid Swarms

- Cooperation between multiple microgrids
- Local energy generation (with inertia)
- Increased stability, resiliency and security.



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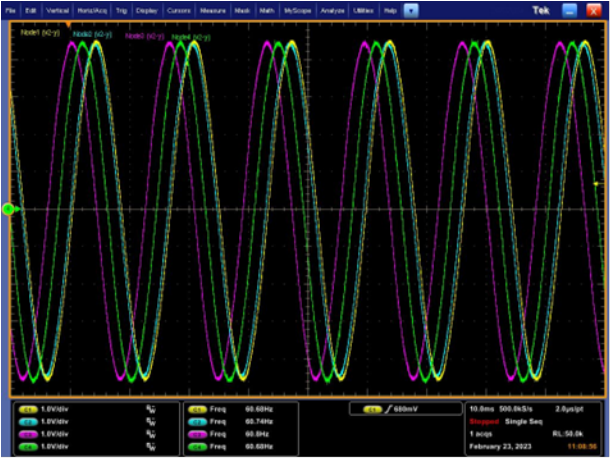

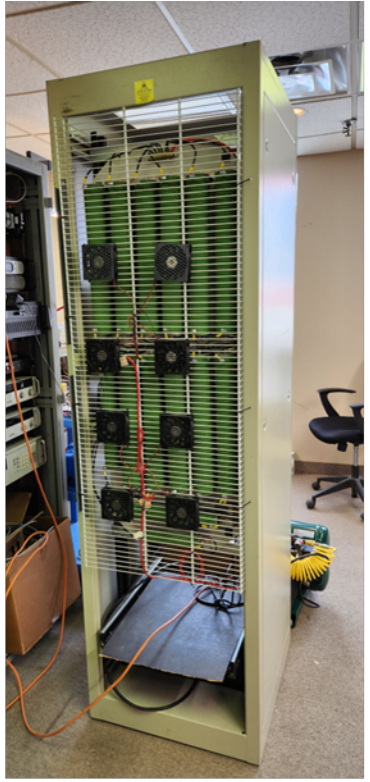

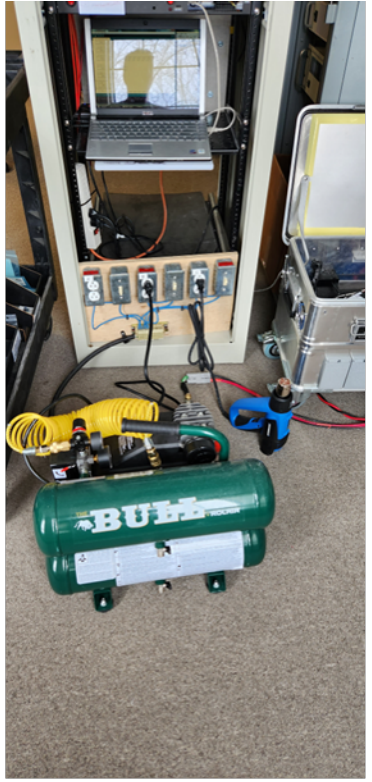

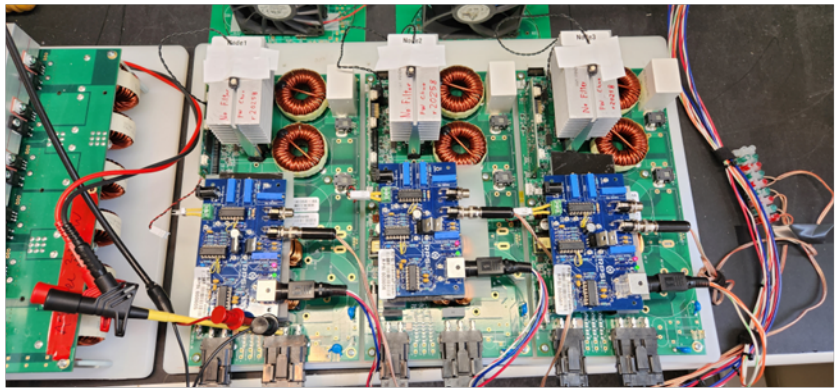

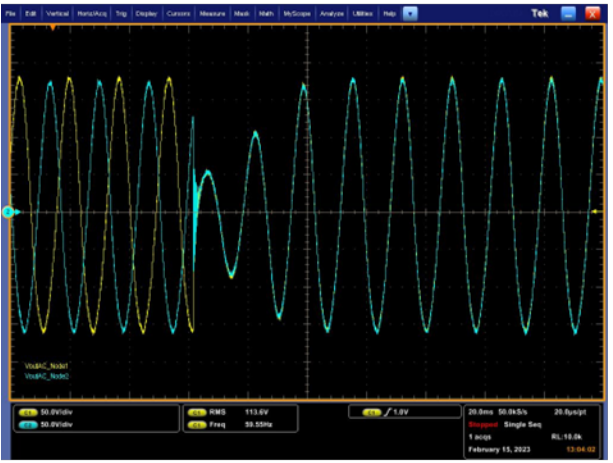

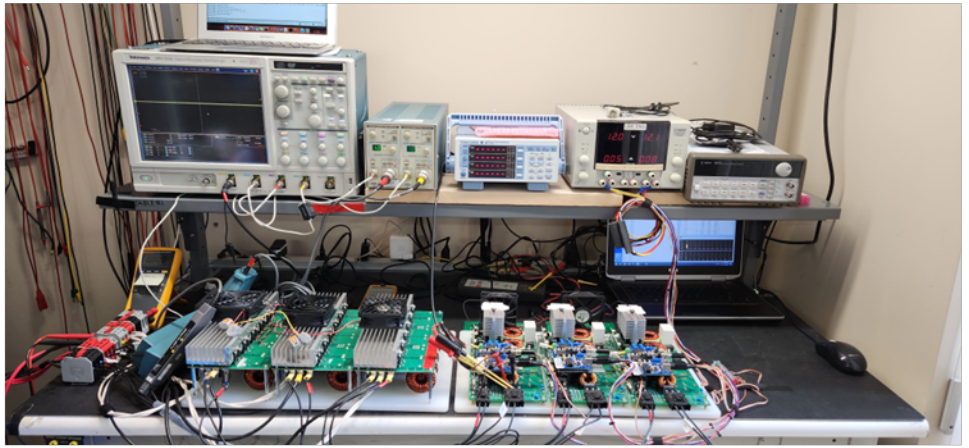

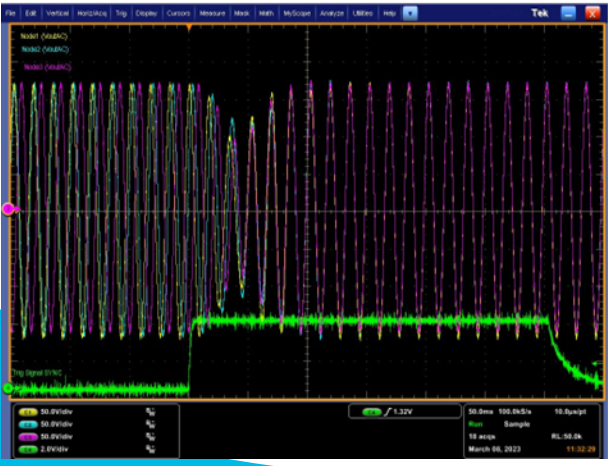

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Demonstrating Community Energy Resilience

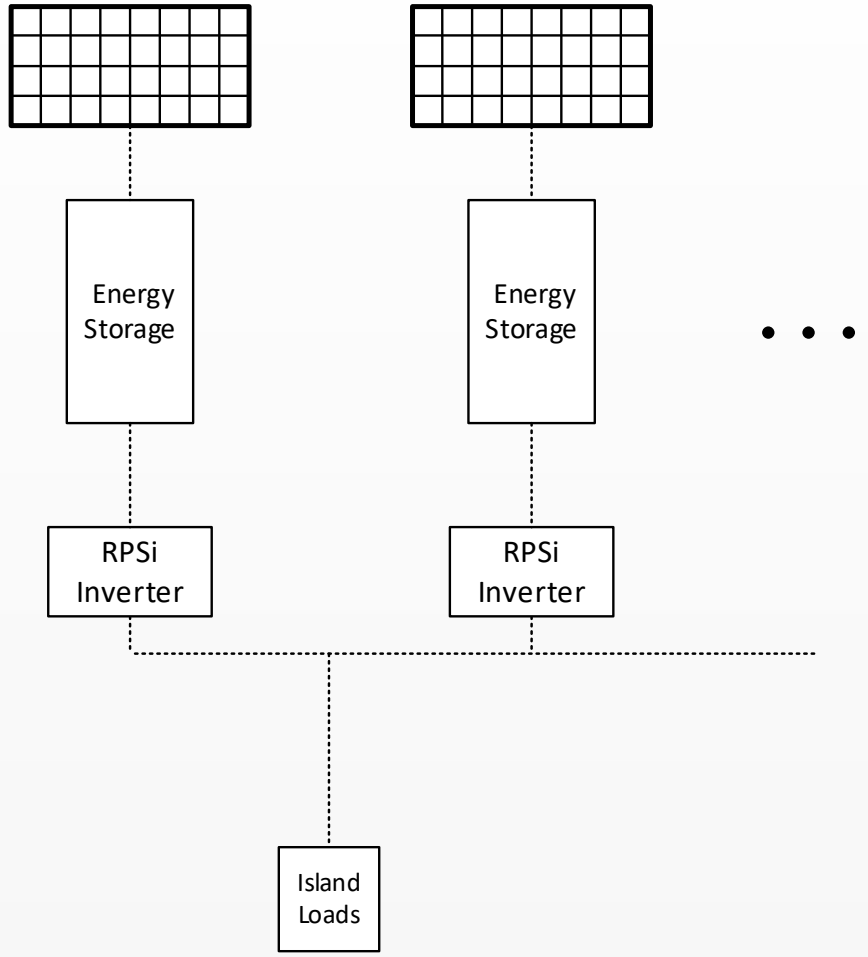
The Project

The project will generally consist of:

- Installing 200kW solar
- Installing 20 energy storage modules
- Installing 20 new RPSi inverters

The project will provide:

- An opportunity to test 20 aggregated nanogrids



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THANK YOU

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