

Go Electric



SOLVING THE PROBLEM

Go Electric provides the first integrated solution for uninterruptible power, energy storage, energy efficiency, and automated energy asset synchronization and optimization. The company is developing a customer side of the meter microgrid solution, LYNC DR[®], which is based on an uninterruptible power supply (UPS) technology that automatically and instantly synchronizes with the grid, providing continuous power and automatic demand response (DR) functionality to a commercial building.

THE IMPACT:

Go Electric provides a microgrid and demand response power system that can enable up to a 50 percent reduction in typical building energy costs. LYNC DR[®] ensures energy resiliency for buildings and sustains grid stability. At scale, LYNC DR[®] systems will ensure energy sustainability for the communities in which they reside. Go Electric's solutions assure energy security, reduce energy costs and enhance grid stability by integrating renewable energy, advanced batteries and generators into a plug-and-play energy resiliency system.

HOW IN² IS HELPING:

Go Electric is in need of technical assistance and services from NREL's laboratory facilities for measurement and validation of LYNC performance and capabilities. Specifically, LYNC DR[®] is installed at the Energy Systems Integration Facility (ESIF) to measure and validate a number of LYNC capabilities focusing on grid connection and islanding.

TIER 1: Bench Scale

- Concept development stage
- Develop plans for prototyping & testing
- 3 – 5 years to market

TIER 2: Prototype

- Available for testing & validation
- Plans for development of final product
- Less than 2 years to market

TIER 3: Commercially Ready

- Models available in limited quantity
- Integrated demonstration
- Less than 18 months to market testing

ABOUT THE IN² PROGRAM

IN² is a technology incubator that fosters and accelerates early stage technology companies that provide scalable solutions to reduce the energy impact of buildings. Through a \$30 million program funded by the Wells Fargo Foundation and co-administered by the U.S. Department of Energy's National Renewable Energy Laboratory (NREL), sustainable building technologies are able to evolve and develop, contributing to the overall goal of a Smart and Connected Community that uses energy, water and other resources efficiently, reducing the negative impact on the environment.