

## Whisker Labs



### SOLVING THE PROBLEM

Whisker Labs develops peel-and-stick energy submetering technology that could reduce energy metering costs by 90%. The sensor is applied directly to the outside of a circuit breaker, allowing for simple, non-invasive installation by non-technical staff. Information collected through the sensors and the Whisker Labs data management system can be used by third-party energy information systems, providing building owners with real-time insight into energy consumption to drive proactive building management decision.



### THE IMPACT:

The ability to measure the energy consumption of individual building systems provides a wealth of information allowing building owners and operators to track and improve whole-building energy performance. Existing submetering systems are costly and require skilled technicians to install and monitor. The commercial building market, particularly in small- to medium-sized buildings, needs reliable, cost-effective submetering solutions.

### HOW IN<sup>2</sup> IS HELPING:

For its IN<sup>2</sup> project, Whisker Labs requested support evaluating their technology in real applications. Following the completion of a laboratory evaluation of the sensors under real loads, Whisker Labs was presented with the opportunity to test and demonstrate their product in a real world environment within Wells Fargo's commercial real estate portfolio. In June 2016, NREL researchers installed Whisker Lab's pilot product at a Wells Fargo Branch facility in Aurora, Colorado, to allow NREL to evaluate the technology's performance and demonstrate the benefit of this less-invasive submetering technology in a commercial building.

#### 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 IN<sup>2</sup> PROGRAM

IN<sup>2</sup> 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.