



SOLVING THE PROBLEM

The APANA™ System offers an innovative smart water management system to reduce water waste. Their cloud-based analytic technology scans, pinpoints and guides resolution of water waste by instantly alerting frontline staff and providing actionable guidance. APANA uses sensors and IoT devices to capture high-resolution data for constant analysis of when water waste is occurring.

THE IMPACT:

Buildings have hundreds of mechanical and human failure points, including valves in walls, vaults and equipment such as cooling towers, running sinks, etc. Leaks often go undetected and can last for years. Effective sub-monitoring of plumbing has traditionally been difficult and expensive, leading 99 percent of building owners to use water bills to manage gross waste. APANA's end-to-end solution attacks waste when it starts — immediately capturing savings and reducing risk.

HOW IN² IS HELPING:

APANA is in need of third party validation and test sites for continued new product development and research. One of the challenges APANA is faced with is finding credible case studies to describe the relationship between water waste and its impact on energy. Another goal for APANA is to learn more about BAS systems and other technologies in order to better explore commercialization and strategic opportunities. The IN² program is providing research assistance, test sites and marketing exposure to further expand APANA's growth.

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.



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