

## MINI-CASE STUDY

**WEB SITE:** mesh-systems.com

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### MESH SYSTEMS PROFILE:

Mesh Systems designs and deploys turnkey IoT (Internet of Things) solutions that include hardware, software and networking frameworks for Smart products. Our award winning platform, MESHVista® combined with our deep industry expertise enables us to accelerate the delivery of products and services that connect devices, data, people and processes to work together in harmony.

### APPLICATION:

Smart Energy

Fast-response energy storage system which utilities use to manage quick fluctuations in both load and energy generation.

## Maximize Power Grid by Balancing Peak and Off-Peak Energy Generated From Solar or Wind Sources

"The 'Internet of Things' has become a powerful force for business transformation; its disruptive impact will be felt across all industries and all areas of society. Mesh Systems and its award winning software are helping leading companies embrace, develop and deploy innovative IoT applications."

– Richard V. Baxter, Jr., CEO & President, Mesh Systems

### SITUATION

Steffes Corp. wanted to revolutionize the power industry by transforming individual space and water heaters into fast-response energy storage groups. Utilities can command this system of groups as a grid stabilization tool to address the problem of damaging power fluctuations created by highly variable and unpredictable renewable energy sources.

### SOLUTION

To accelerate speed-to-market, Steffes partnered with Mesh Systems to design and deploy a turnkey, IoT Smart Energy application that connects each space or water heater in order to control them as groups. Built on the MESHVista IoT platform, the Smart Energy system, GETS, combines unit metering, standard load management and proprietary smart grid technology to provide an extremely fast response system while doing so very cost effectively.

### BENEFITS

Lower overall energy costs for both end users and utilities. Optimized power grid management and energy costs from maximizing effectiveness of various energy sources such as wind and solar.

Improved load balancing of the power grid during peak and off-peak times to ensure dependable, affordable access to energy. All while still ensuring end-user comfort.



# MESH SYSTEMS™

Internet of Things Software, Services and Solutions

Creating business action and insight from IoT devices and applications

— Learn More —

Find out how we can deploy a turnkey IoT solution for your Smart product

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