SwarmStat™

If reducing your HVAC energy costs by up to 25% is an attractive business proposition, take a closer look at SwarmStat from Encycle.

ENCYCLE

SMART ENERGY, SMARTER SAVINGS

Leveraging the award-winning Swarm Logic® energy optimization technology, SwarmStat gives you the power to dramatically reduce your electricity costs, fully participate in demand response programs and reduce HVAC maintenance costs – all from your smart Wi-Fi IoT thermostat.

Smarter Energy Management – In the Cloud

SwarmStat brings all the benefits of Swarm Logic and the cloud-based EASE™ (Energy-as-a-Service by Encycle™) program from the rooftop to the thermostat, enabling you to more fully leverage today's smart Wi-Fi IoT thermostats to synchronize and streamline the operation of your HVAC equipment.

Swarm Logic is well known for the energy-saving and HVAC visibility benefits it provides to commercial and industrial businesses on a simple and elegant set-and-forget basis. Broadly deployed by many of the world's largest companies, Swarm Logic leverages sophisticated biomimicry and telemetry to measure and synchronize a building's largest energy consuming devices. Swarm Logic automatically optimizes electricity usage. This means that instead of operating inefficiently in isolation, your HVAC units function together to reduce energy peaks and consumption by controlling the aggregated whole as one unified, coordinated group.

With SwarmStat, this precise level of synchronization and control is now available via Wi-Fi IoT-enabled thermostats, thus achieving all the benefits of Swarm Logic, without the need to install additional equipment on your HVAC units.

Synergy at Your Fingertips

Working in tandem with leading Wi-Fi IoT thermostat providers, SwarmStat is a simple-to-install and economical energy management solution that can quickly deliver many important benefits:

- Reduces electricity costs without impacting occupant comfort
- Delivers better insight into building performance through an easy-to-understand web-based portal
- Hands-free, set and forget operation
- Gives customers the option to participate in demand response programs on a more intelligent basis
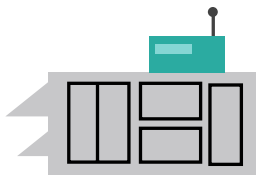
The net result is a holistic, very precisely controlled, "set and forget" approach that typically decreases annual HVAC energy costs by

15-25%

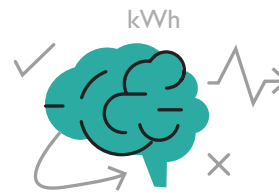and with a rapid ROI payback that is frequently less than one year.

How It Works

Working together like a swarm of bees, Swarm Logic-enabled thermostats intelligently communicate and synchronize the HVACs under their control. As setpoints are changed or new temperature readings received, Swarm Logic re-evaluates equipment control decisions to ensure that the best possible energy efficiency and demand management decisions are being made.

SwarmStat-enabled
Wi-Fi IoT thermostats
are installed and registered
with Encycle

Thermostats send
temperature data to
Swarm Logic servers
via the Internet

Swarm Logic determines
the most efficient strategy
for cooling or heating across
all thermostats at the location
and sends control decisions
to the thermostats

Thermostats execute the
control decisions for their
attached HVACs in the
manner determined by
Swarm Logic

Enroll with EASE and Reap the Rewards

Your smart thermostats, when enabled with Swarm Logic by Encycle, will bring you a simple, elegant, inexpensive, and transformational way to immediately improve your financial bottom line. Take a look at your annual energy costs and calculate what a 15-25% savings on HVAC energy usage would mean to you. Then give us a call. We'll show you what SwarmStat can do for your organization.

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About Encycle

Encycle provides unique benefits to many Fortune 500 companies. The EASE (Energy-as-a-Service by Encycle) program maximizes the performance of HVAC systems to save commercial and industrial companies money while reducing their carbon footprint. Based on patented Swarm Logic® technology, Encycle's platform uses biomimicry techniques to reduce HVAC energy costs, participate in demand response programs, and gain valuable insight into HVAC performance. Swarm Logic is simple and easy to install, optionally integrates with leading IoT solutions, and delivers ROIs that far exceed most solar, storage and lighting initiatives focused on the same goals. Encycle's EASE program brings better results, at a lower annual cost and faster payback – it's a win-win.

FOR MORE INFORMATION ON SWARMSTAT OR OTHER ENCYCLE SOLUTIONS, CONTACT:

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