



InThrMa Web-Based Monitoring & Control for HVAC Service Providers

Cutting edge tools to put you far ahead of the competition

Product Overview

InThrMa (Intelligent Thermal Management) can help you build valuable relationships with your residential and light commercial customers and ongoing revenue streams for your business. We give you and your customers the tools to remotely monitor and control HVAC systems and energy consumption in real time.

Our web-based software for end-users (your customers) is customized with your company name, logo, and contact details, and provides your customers with a web portal and mobile apps (iPhone, Blackberry, etc) to manage and optimize their HVAC systems.

Our optional Demand Response Module allows you to address this emerging market as PG&E rolls out peak day pricing and time of use pricing for residential and light commercial customers (2011-2012). Our product has been featured in a PG&E pilot project for light commercial customers and is ready for deployment.



Our value to you...

- We send you automated alerts to help you spot HVAC maintenance needs such as annual calls, filter/system maintenance needs, or even facilities problems such as windows or doors left open so that you can contact your customer as soon as possible. They can rest assured knowing that you are attending to the health of their system all the time, not just during service calls.
- If you offer property management services, the InThrMa Dashboard allows you to remotely & securely control your client's thermostats on their behalf.
- When users program and manage their HVAC systems, they will do so through a web portal with your branding, even through your own website.
- Establish or extend your web presence and elevate your firm's offerings.

Our value to your customers...

- They will receive a smart web-connected thermostat, as well as our web-based and mobile (iPhone, Blackberry, etc) monitoring and control suite.
- They can setup multiple thermostat profiles (weekend, weekday, vacation, etc) via the web and also manage their HVAC remotely from their smart phone.
- We develop a thermal profile of their building, and using local weather data, can reduce energy bills by optimizing heating and cooling cycles.
- When PG&E implements dynamic pricing in 2011 (commercial)/2012 (residential), your customers will have everything they need to further reduce their energy bills through our demand response functionality.
- Studies have shown an average of 11% reduction in energy consumption while maintaining occupant comfort by using InThrMa.



Consider your various customers

The following are some examples our current customers have shared with us about how they have used our services.

Residential:

- Some residential consumers have little interest in actively monitoring and maintaining their HVAC system. You can help these customers by sending automated alerts when their system requires maintenance.
- When they are on vacation, or while at work, residential customers can monitor and control their system remotely. This offers greater peace of mind, as well as energy savings.

Commercial buildings:

- Commercial buildings must open every day at an optimum temperature for customers and employees. In order to achieve this, managers usually start up their HVAC systems earlier than necessary to ensure that the building is comfortable. This can waste many hours of heating over a month. Using our system, managers program the thermostat not to start at a specific time, but to arrive at a given temperature at a specific time. We develop a thermal model of your building and optimize the HVAC start time, given the outdoor weather, to reduce energy consumption.
- Light commercial buildings are often too small for dedicated building management systems. We offer an optional and affordable product which allows landlords or building owners to turn off water coolers at night, or outdoor lights during the day.

Highly trafficked buildings, such as schools and churches:

- Employees often manually override thermostat preset temperatures, and these overrides can last for days at a time. By centralizing control of the HVAC system, you can save significantly on your utility bills.

Landlords:

- Tenants who do not pay their utility bills often operate their thermostats inefficiently, turning them to their highest or lowest setting even while the windows are open. Using our system, landlords can control the thermostat remotely, and monitor system performance in order to identify tenant-driven inefficiencies.

Second homes and vacation properties: Property managers are onsite eyes and ears of the owners, and provide an important service looking after vacation properties in the owners' absence.

- During the vacation season, the HVAC system only needs to run when the building is occupied or rented. Owners or property managers can reduce utility bills by remotely turning on and off the thermostat when the tenants start or end their stay.
- In cold climates, an empty vacation property often only requires heating when the temperature approaches freezing. Instead of leaving the heat on throughout the winter in case of a deep freeze, property managers can remotely turn on the heating only when necessary.
- Unoccupied buildings may develop problems (broken windows, faulty HVAC systems) that are only detected when the utility bill arrives. Owners and property managers can monitor HVAC usage and performance remotely, and receive automated alerts letting them know that something is wrong with their property.

For More Information

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