EVENTS2HVAC™
Event Automation Software

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EVENT AUTOMATION

Equipment in each room is controlled directly from the event/room scheduled event information. No more manual coordination with facility managers.

ENERGY SAVINGS

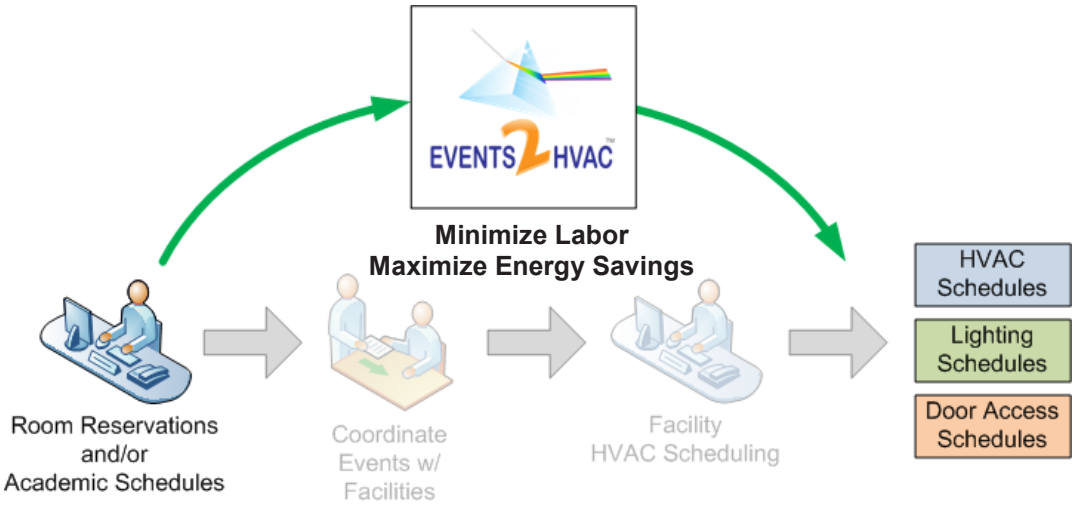
Automated scheduling of equipment can create significant energy savings for your facility. You will use energy only in rooms that are in use.

LABOR SAVINGS

Automated scheduling of equipment will free up your facility management staff from coordinating with event managers and manual equipment scheduling.

FLEXIBLE CONTROL

Define exactly how you want your equipment to be adjusted or controlled during the event. Chain multiple commands to multiple devices.



Events2HVAC event automation software is the energy and labor saving bridge between your facility's event or room reservation system and your Building Automation System (BAS).

In a traditional setup, these two systems operate independently, with manual interaction and coordination required between them. The event system contains information about the events that are scheduled, the rooms that are booked, and when things need to happen. While the BAS controls the environment, lighting, and security in the facility.

One problem facilities face is coordinating the scheduled events with the facilities personnel to make sure the lights are on, the rooms are comfortable, and the necessary equipment is setup for an event. This is typically a manual process prone to mistakes. For a facility that is booking multiple rooms on an hourly or daily basis, keeping BAS schedules synchronized with event schedules can be a time-consuming job.

This leads to another common problem. Because of the labor required to keep schedules synchronized, some facilities resort to turning systems on prior to the first event, and leaving everything running until the final event for the day. Energy is wasted because the facility is heating, cooling, or lighting empty rooms.

Events2HVAC offers a solution to both problems. Successful automated synchronization between your event system and your BAS can yield significant energy and labor savings.

Events2HVAC allows you to setup and configure equipment that will be controlled by scheduled events. Once the equipment has been setup in the application and the appropriate actions have been defined, the daily scheduled events will automatically command your BAS to respond to those events.

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SUPPORTED EVENT PROVIDERS

- Dean Evans EMS®
- CollegeNet® R25®
- ministrEspace/COOL SPACE
- EmergingSoft MeetingPlanner
- Asure Resource Scheduler
- Microsoft Exchange Server

SUPPORTED INTERFACES

- Johnson Controls Metasys® MSEA
- Johnson Controls P2000 Security Management System
- BACnet® Systems
- NetworkThermostat™ Net/X™
- Proliphix Thermostats

SYSTEM REQUIREMENTS

- A supported event management software system
- One or more supported BAS Systems
- Windows® 7, 8, Server 2003, 2008, 2012
- Microsoft® SQL Server™ 2005/2008/2012 (or Express)
- Networked access to BAS system and event system

OTHER SERVICES

- Technical support
- Installation and setup
- Custom solutions
- Custom interfaces

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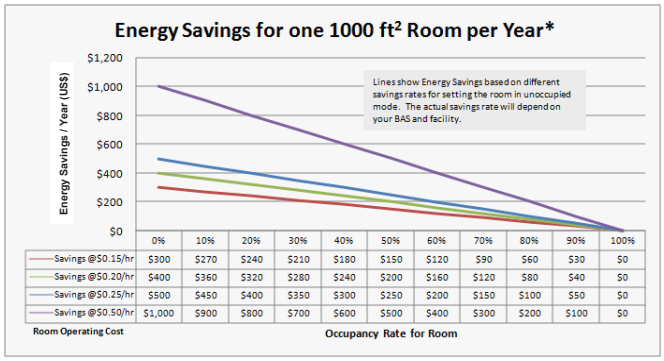
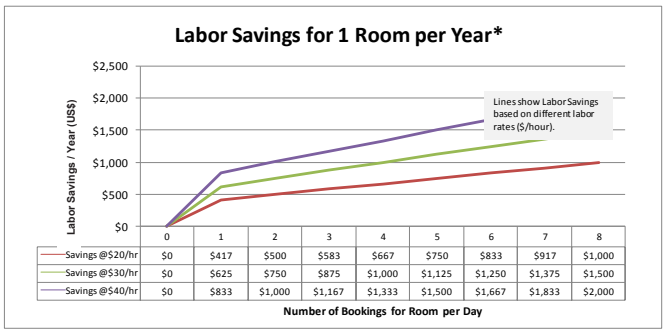
Return on Investment



Room Operating Cost	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Savings @$0.15/hr	$300	$270	$240	$210	$180	$150	$120	$90	$60	$30	$0
Savings @$0.20/hr	$400	$360	$320	$280	$240	$200	$160	$120	$80	$40	$0
Savings @$0.25/hr	$500	$450	$400	$350	$300	$250	$200	$150	$100	$50	$0
Savings @$0.50/hr	$1,000	$900	$800	$700	$600	$500	$400	$300	$200	$100	$0

Occupancy Rate for Room

*Energy savings and labor savings are dependent on multiple factors including the type of HVAC equipment, lighting types, weather conditions, geographic location, cost of energy, and human behavior. These examples show possible savings given different variables.



Number of Bookings for Room per Day	0	1	2	3	4	5	6	7	8
Savings @$20/hr	$0	$417	$500	$583	$667	$750	$833	$917	$1,000
Savings @$30/hr	$0	$625	$750	$875	$1,000	$1,125	$1,250	$1,375	$1,500
Savings @$40/hr	$0	$833	$1,000	$1,167	$1,333	$1,500	$1,667	$1,833	$2,000

Energy Savings

Depending on how you currently schedule equipment, your total scheduled area, and the equipment you use during events, the one-time cost of **Events2HVAC** software might be recovered in just a few months. But the savings benefits in both energy and labor will be realized for years to come.

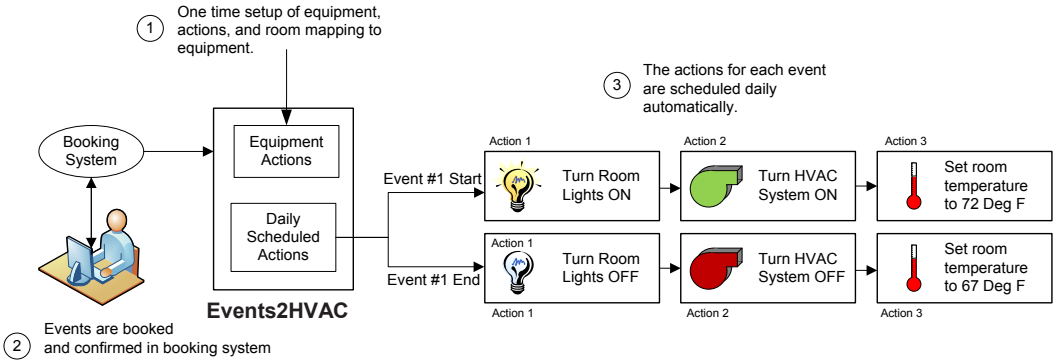
If you know the approximate cost per square foot to occupy a particular room, you can use the chart to the left to approximate your savings for one year.

Labor Savings

Without event automation, facility managers must coordinate event schedules for the day or week and manually enter equipment schedules. Even with minimal scheduling, a facility manager can spend 1-3 hrs per week completing this task.

As shown in the chart to the left, scheduling labor becomes more intense as the frequency of events per room and the total number of rooms increase,

How It Works



(1) After a one-time setup, the **Events2HVAC** controls the event system rooms that are linked to the defined equipment. For each equipment item, any number of actions can be executed on any number of BAS objects over multiple device interfaces. Each action is defined to occur at a specific time during the event (e.g. setup start, event start, event stop, teardown stop, etc.).

(2) Rooms are booked and confirmed in the event management system.

(3) **Events2HVAC** reads all of the confirmed events that are booked each day and schedules the actions to be executed at the right time.

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