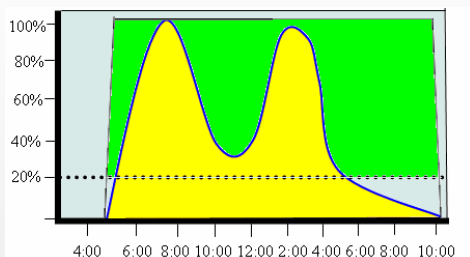


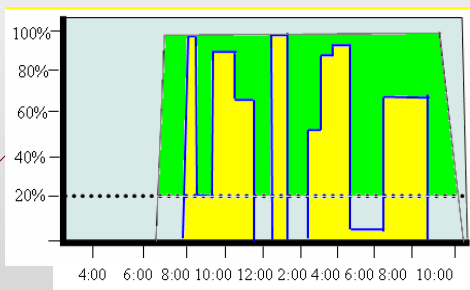
Demand Control Ventilation

HVAC Energy Savings

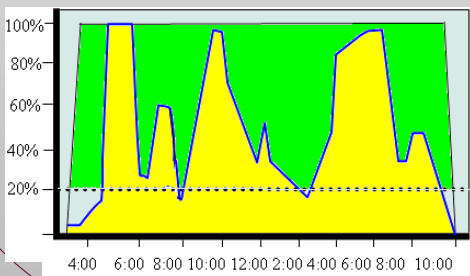
Office Space 20-30% savings



School/Meeting room 10-50% savings



Bar/Restaurant 30-60% savings



- Energy Cost With Demand Controlled Ventilation
- Energy Savings With Demand Controlled Ventilation
- Building Occupancy/Demand Control Ventilation
- Timer Based Ventilation Control
- Optional Minimum Ventilation Rate to Control

Source: Carrier Corp. 1998



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Mechanical
Subcontractor

Dependable and Accountable
HVAC Installation - New Construction - Refit - Service

Now is the time to install

Energy Management
System

With Demand Control Ventilation

- Save Energy and Money
- Free Cooling & Reduce Humidity
- Web Control of Multiple Locations
- Floor Plan Graphics
(Improve Temperature Control)
- Fault Alarm Notification
- Flexible Scheduling & Tenant billing
- Historical Trending
- LEED Credits
- Quick Payback Period
- Energy Rebates

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Services available from Commercial Air, Inc.

Complete HVAC installation - Design assist

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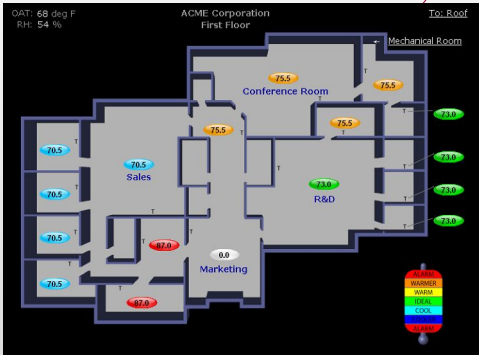
Comfort System

Increase Comfort - Lower Cost - Extend life

Energy Management System

• New State-of-the-Art “i-Vu”

i-Vu web appliance offers total control of multiple locations from anywhere in the world. Create standard reports, orbit logs and diagnose problems.



• Floor Plan Graphics

Real time temperature values update regularly showing comfort levels in each zone.

• Flexible Scheduling

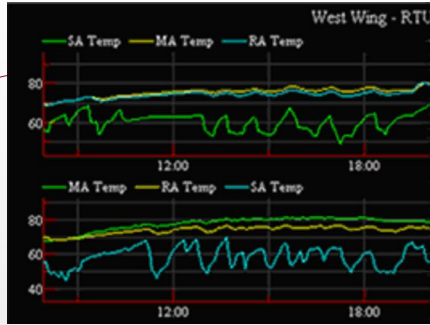
i-Vu’s superior scheduling interface is both graphical and hierarchical in nature. Define or view occupied, unoccupied, holiday, or override schedules by simply clicking on an area or piece of equipment

• Tenant Billing

Built in tenant reports allow you to monitor, store and bill tenants for after hours energy consumption. Energy savings on regular hours can be passed on, or shared with tenant.

• Historical Trending

Automatic trending provides a clear history of important building conditions.



• Alarm Management

Fault alarm notification, allows quick response to critical alarms, while filtering out nuisance alarms. Save money on unnecessary service and filter changes.



VFD Control

• Integration

I-Vu’s integration capabilities allow you to tie in ancillary devices that compliment your system, BACnet, Modbus, & Lonworks.

• Energy Rebate

APS and SRP offer incentives for energy efficient improvements.

Demand Control Ventilation

• Saves Energy and Money

Outside air is used to ventilate the space based on actual occupancy. DCV with CO₂ sensors measures the number of people in the space.

Only the right amount of outside air based on the number of people occupying is delivered to the space.

This results in many \$ savings since unnecessary amounts of hot and cold outside air is not cooled or heated. This also results in longer equipment life due to less run times.

• Free Cooling

DCV economizer sensors, detects when the outside air is cooler than the inside air.

The system allows outside air to pre-cool reducing AC run time.

• Improved Comfort

(Reduced Humidity)

During times when room occupancy is low, less outside humid air is taken in, this allows inside air to recycle more resulting in a more comfortable work environment.

Commercial Air, Inc.

Mission statement

TO BE OUR CLIENTS FIRST CHOICE
MECHANICAL SUBCONTRACTOR



Equipment Views