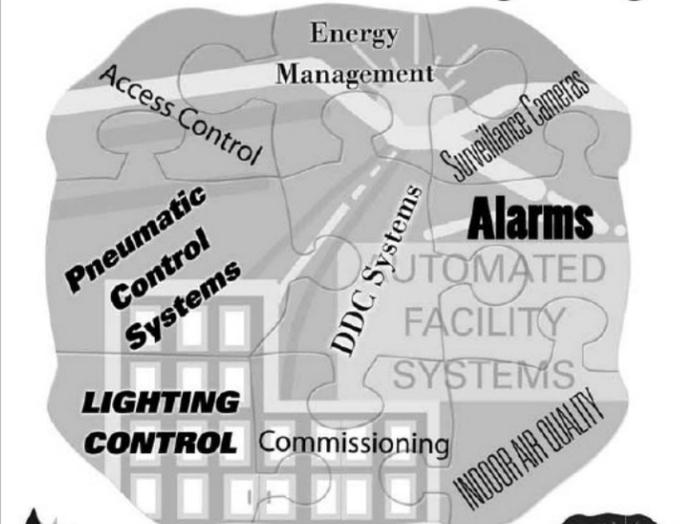


- Lighting Systems Control and Upgrade
- Local Recordable Cameras via Onsite Digital Recorder
- Internet Recordable Cameras via AFS Web Site Portal
- Traditional Security System with Off Site Monitoring
- **Energy Project “Pay from Savings” Financing**
- Full Service HVAC Contract Maintenance Through Partnerships
- Building Enhancement Needs as Identified by Energy Audit



**Which Piece is YOUR building missing?**



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Automated Facility Systems  
 Bringing all the Pieces Together

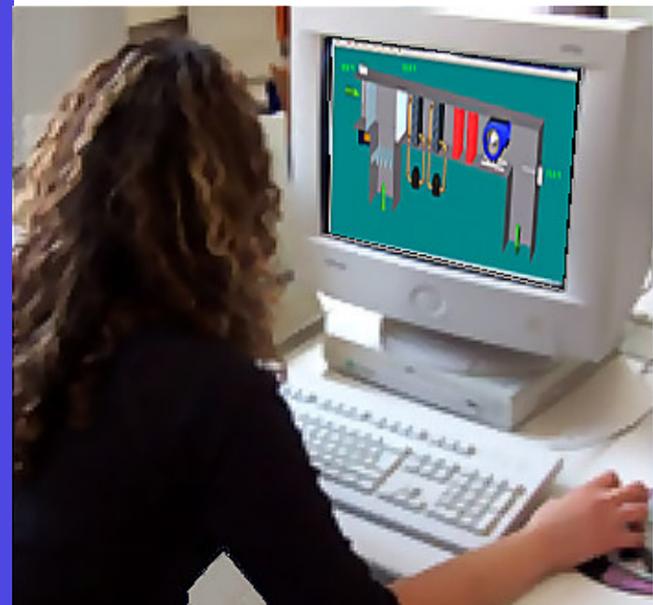


**What could your church do with an extra 30% of the utility bills?**

The US EPA Energy Star Program shows the average church wastes 30% of its utilities.

**Call AFS to Start Saving Today!**

**Lower your Energy Use, Operating Cost, and Equipment Wear**



**Automated Facility Systems, Inc.**

3600 Dallas Hwy  
 Suite 230 # 397  
 Marietta, GA 30064

678 410-2098  
 770 234-6856 Fax

**Save Money While Making Your Building Better**

- Better Indoor Environment and Lower Energy Costs
- Better Operations with Automation and Remote Access
- Better Maintenance with Runtime Alarms for Service
- Better Building Security with Access Control and Cameras
- Better Utility Bills to Free Budget Dollars for Other Needs
- Better Efficiency to Help America Become Energy Independent

## Modern Control of Heating and Air Conditioning Systems

### What is the best way?

Based on the US Department of Energy, the EPA, the Army Corps of Engineers, and a host of university studies, computerized controls are the best way to operate a building.

### What are the benefits?

There are many benefits of an Automated Facility:

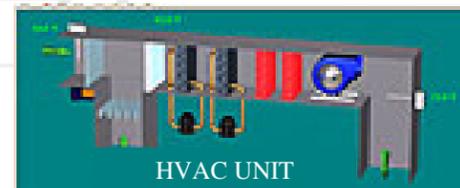
The facility environment better allows a building's purpose to be fulfilled more easily. Studies have shown that children learn better in a comfortable, quiet area and that adults are more productive as well.

System design standards size equipment for worst case temperature. This feels good on 20°F winter days and 100°F summer afternoons, but the remaining **90% of the time the unit is operating at less than full design conditions and wasting energy.**

System design standards also size the equipment for worst case crowds. This is good for peak occupancy on seasonal holidays, but when the building is being used by smaller groups, the unit has to work harder than necessary and wastes energy.

By automating the units, we can

- Have the unit operate only when the area is occupied
- Operate at lower fan speeds when full capacity is not needed
- Use motion detection to reset the setpoints when no one is using the space
- Use motion detection to reduce the outside air brought in when there are no occupants
- Use CO<sub>2</sub> sensors to regulate the amount of outside air to match the occupant load
- Monitor the electrical demand and reduce the peak reading
- Monitor the runtime and coordinate service calls to better match when maintenance is needed
- Monitor temperatures and initiate a service call when a unit is not performing properly
- Monitor equipment startup each day and report a problem prior to the occupants' arrival

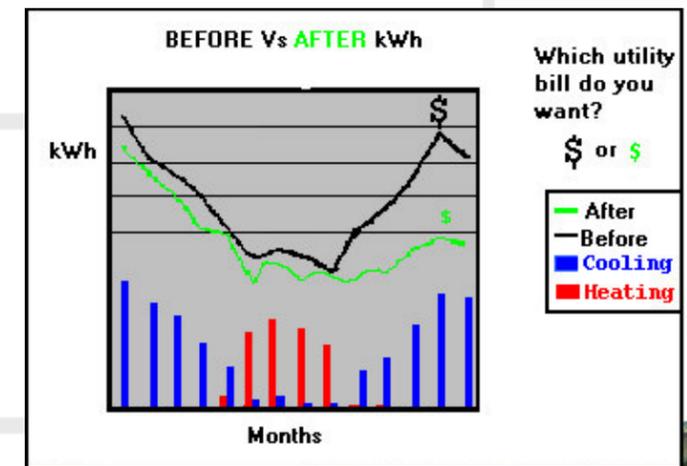


### What about programmable thermostats?

Programmable thermostats are better than non-programmable; however, they typically are programmed for generous schedules to prevent constantly re-programming and they do not address the design sizing issues. Just by a tighter scheduling method that cuts one hour out of a typical HVAC day you will save over 8% of your runtime. This directly relates to an 8% savings on equipment maintenance and it extends the life of the equipment by 8% as well. This means that, out of a 12 year life cycle, you get the use of heating and air conditioning equipment FREE for a year!



Smoke Rise Baptist Church in Stone Mountain saved over \$40,000.00 in one year after AFS installed a full-feature system including the items described on the previous page.



Familiar Windows® standards with floor plans and equipment pictures allow easy operation with the click of the mouse. Our staff can provide assistance via an Internet connection!



### How Do We Get Started?

- ✓ Let Automated Facility Systems survey your facility and equipment.
- ✓ Review options to develop a long term plan with AFS.
- ✓ View a demo and determine the phasing of systems and features.
- ✓ Review possibilities of shared savings or leasing if desired.
- ✓ Implement phase one and train for proper operation.
- ✓ Ensure peak demand feature is in place by late spring to provide lower demand pricing.
- ✓ Use cost savings to add feature enhancements that will maximize efficiencies.
- ✓ Continue phases as planned to produce full savings.
- ✓ Use AFS service to maintain maximum efficiencies in operation and energy.
- ✓ Enjoy a comfortable, safe, secure building that meets your needs.

