



In Control! *Effective Management* *of Your Facility*

Summer 2009

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Grant Money Available for Energy Projects

The American Recovery and Reinvestment Act 2009 (ARRA) includes stimulus funds for the implementation of programs for the purpose of:

- ◆ Stimulating the creation or increased retention of jobs;
- ◆ Saving energy (kwh/therms/gallons/BTUs/etc.);
- ◆ Increasing energy generation from renewable sources; and Reducing greenhouse gas (GHG) emission.
- ◆ Reducing fossil fuel emissions in a manner that is environmentally sustainable and, to the maximum extent practicable, maximizes benefits for local and regional communities;
- ◆ Improving energy efficiency in the building sector, the transportation sector, and other appropriate sectors.



The South Carolina Energy Office is distributing these funds through three programs:

- ◆ State Energy Program (SEP) for Public School Districts, Public Colleges and Universities, and State Agencies
- ◆ Energy Efficiency and Conservation Block Grant Program (EECBG) for Local Governments
- ◆ Competitive Funding Grants

The South Carolina Energy Office will be administering stimulus funds to South Carolina school districts, state agencies, and state colleges and universities for energy efficiency and renewable energy projects. Funds will be awarded as grants and loans for planning and implementing energy efficiency retrofits and renewable energy projects. These projects must have a return on investment of 2.5 to 1 and must further the purposes stated below:

- ◆ Stimulating the creation or increased retention of jobs;
- ◆ Saving energy (kwh/therms/gallons/BTUs/etc.);
- ◆ Increasing energy generation from renewable sources; and
- ◆ Reducing greenhouse gas (GHG) emissions.

Congratulations to Sumter School District 17!

Their proposal has been approved, and the money awarded.

These funds are being made available through the American Recovery and Reinvestment Act 2009 (ARRA) through the State Energy Program. The U.S. Department of Energy has made a formula distribution of these funds to each state to expand the State Energy Program.

Please note the following important dates:

Applications due to SCEO by: **9/1/2009**

Funds to be spent by: **12/31/2010**

Continued on Page Three

Training Schedule



Our in-house training courses are based on different skill levels. Whether you need to get a new employee familiar with your Siemens system or help your current system operator reach their most productive skill level – we can meet the needs of your entire staff. Enrollment is “first come, first serve” and classes fill quickly.

If you are interested in our training courses and have not received a training directory, please call Ernie Glenn at CMI, **803-779-6050 ext 411** or visit our website, **www.controlmanagement.com**, for more information. We look forward to seeing you in upcoming CMI training classes!

TEC-101 *Insight for New Users - Part 2: TEC's – Terminal Equipment Controllers –*

Learn how TEC's control building equipment and communicate with field panels, communicate with the field panel using Controller Interface Software (CIS) or Datamate, communicate with a TEC from the room thermostat using a laptop, and through the field panel or Insight.

Class Date: **September 16, 2009**

AIG-101 *Insight for New Users - Part 1: Introduction*

Learn the basic operations of the system for day to day use through graphics. *No recommended prerequisites.*

Class Date: **October 14, 2009**

AIG-101 *Insight for New Users - Part 1: Introduction*

Learn the basic operations of the system for day to day use through graphics. *No recommended prerequisites.*

Class Date: **November, 2009**

** Dates for all classes subject to change. Please check our website (www.controlmanagement.com) for dates before registering.*

Upstate Update

by: **Tom Dixon, Control Management, Inc.**



Laurens County Health Care System *Laurens, SC*

It's hard to believe, but it has already been one (1) year since Control Management (CMI) started providing Siemens Building Controls to the Upstate of South Carolina. We are pleased with our progress, and look forward to continued growth. And we are very excited about the opening of our new office in Greenville!

One of the highlights for us this past year was to be able to help a new customer...the Laurens County Health Care System. The following is our Spot Light on the hospital and the project that we have implemented with them.

The first Laurens County Hospital opened in 1911. In 1981, the Laurens County Hospital merged with the Bailey Memorial Hospital in Clinton to become the Laurens County Health Care System. In 1990 the current facility opened and retains more than 450 full-time and part-time employees. The Laurens County Health Care System is continually recognized as one of South Carolina's progressive Community Hospitals.

In 2009, and in keeping with their progressive nature, the hospital's Director of Engineering asked Control Management to help him find ways to improve patient comfort and reduce energy costs...and do all of this work with a tight budget.

Continued on Back Page

Customer Spotlight

20 Year Customers:

We would like to welcome the following customers to CMI's 20 Year Club!



The Citadel



**Coastal Carolina
University**



**Horry Georgetown
Technical College**



Jefferson Square



Charleston County Schools



Grand Strand Hospital



Fairfield County Schools

Continued from First Page

Grant Money cont.

There are also funds available through the following avenues:

- ◆ Stimulus Funding for Local Governments
- ◆ State Energy Program (SEP) - Other Activities
- ◆ Energy Efficiency and Conservation Block Grant Program (EECBG) – Other Activities
- ◆ Federal Competitive Funding Grants

For more information on all the grant money, please call CMI at (803) 765-9070 or visit the SC Energy Office's website at: <http://www.energy.sc.gov>. Click on the Stimulus Information link on the top left of the page. There is a ton of information on this page to help you get started or to find out if you have been awarded the money.

Product Spotlight

Siemens Wireless Room Sensor

A new option for Siemens Building Automation System

The Wireless Room Sensor (WRS) eliminates the need to run wire between the Terminal Equipment Controller (TEC) and its associated room temperature sensor. The WRS communicates directly with the Room Sensor Transceiver (RSX) mounted at the TEC.

The WRS solution is ideal for applications where it is impossible, difficult, or costly to run wiring between the TEC and room sensor. Additionally, this solution is attractive where the ability to easily move the room sensor is valued.

Some example applications:

- ◆ Retrofit projects where opening up walls and ceilings to run new wiring is difficult and/or expensive (such as occupied spaces, historical buildings, high ceilings, cinder block or brick walls, or presence of asbestos).
- ◆ Facilities that reconfigure their spaces frequently where the ability to easily move sensors provides significant cost savings over the life of the facility.
- ◆ Facilities with open floor plans where sensor mounting locations are limited when using hard-wired sensors.
- ◆ New construction projects where the optimal location of the sensor won't be known until construction is almost complete (and wiring would then be difficult and/or expensive).

The WRS and RSX can be ordered separately or as a factory bound pair. Using a factory bound pair allows simple startup by just powering up the devices. When ordered separately, field binding is done either by using commands (via HyperTerminal on a PC connected to the HMI port on the WRS) or by connecting the WRS and RSX with a binding cable for a few seconds.



The WRS uses the new modern housing to be used with all future room sensors. There are three types of WRS models:

- ◆ Sensing only
 - ◆ Sensing and display
 - ◆ Sensing, display, setpoint, and override (full-featured model)
-
- ◆ Ease of Installation – In many projects, this solution makes it much simpler and quicker to install room sensors. Depending on the job, it may eliminate the need to run conduit, open up walls and/or ceilings, or use unattractive wire molding.
 - ◆ Wireless solutions are attractive in any location where it is difficult to room sensor cabling, because of the physical characteristics of the facility (for example, high ceilings, cinder block walls, dry-walled ceilings, asbestos, etc.).
 - ◆ Flexibility – This solution enables sensors to be relocated without rerunning cabling. This could result in significant savings over a facility's lifetime for customers (such as commercial office and retail) who reconfigure their spaces frequently.
 - ◆ The sensor can be placed in the optimal location for sensing and control. You are not restricted to only areas where sensor cabling can be run. For open floor plans, this eliminates the challenge of finding a suitable sensor location.

Please contact CMI for more information regarding the Wireless Room Sensors at (803) 765-9070.



CMI News



New CMI Greenville Office



CMI has purchased a Greenville office building!

It is located at:
30 Cessna Court
Greenville, SC 29607

Be on the lookout for future information on this office.

CMI is an Energy Star Partner!



Control Management, Inc. has been selected to be an Energy Star Partner.

This opens up new opportunities for our customers. For more information on how Energy Star can help you, please visit our website at www.controlmanagement.com and click on the Energy Star logo.

New CMI LEEDS AP!

Congratulations to Bryan Finch on becoming a certified LEED AP

Bryan Finch, CMI Sales Team, became a certified LEED AP. We would like to congratulate Bryan on this accomplishment. For more information on LEED, visit their website at www.usgbc.org/LEED

Congratulations:

Kelly Turbeville, Blake deTreville and Greg Davis



Congratulations to **Kelly and Bobby Turbeville** on the birth of their first child. Davis Morgan Turbeville was born July 7 at 3:07 pm. He weighed 6 lbs. and 7 oz and was 18 3/4 inches long. We are happy to welcome Davis to the CMI family, and send our congratulations to Kelly and Bobby. Kelly works in service sales at Control Management, Inc.'s.

Congratulations to **Blake and Bebe deTreville**. They are expecting their first child in September. Blake is a project manager at Control Management, Inc.'s Columbia office.

Congratulations to **Greg and Priscilla Davis**. They are expecting their first child in October. Greg works in the service department at Control Management, Inc.'s Columbia office.

Upstate Update

by: Tom Dixon, Control Management, Inc.

Continued from Second Page



During the past 20 years, two different temperature control systems had been installed (Johnson Controls and Invensys). These systems were getting older, and they were not capable of communicating with each other. In addition, the hospital could not access the systems remotely, nor receive remote notification of critical HVAC alarms. The hospital found themselves with multiple vendors, various levels of control system technology, problems, and no clear path for the future.

CMI surveyed the facility, talked with many of the hospital employees, and developed a comprehensive upgrade and retrofit strategy to an IP based, internet accessible, Siemens Apogee Insight system. This new system will accomplish the hospital's goals of improving comfort and reducing energy costs. It will also give them the ability to access the facility via the internet from any Personal Computer, and receive critical HVAC alarms 24/7 on their cell phones, pagers, or email. And all of this work will be done within the hospital's planned budget!

Control Management would like to thank the Laurens County Health Care System for giving us the opportunity to be your Building Temperature Control / Energy Management provider. We applaud you for your progressive approach to Energy Conservation with Comfort. We look forward to supporting you as we both continue to grow in the Upstate!



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Control Management, Inc. is dedicated to customer service and satisfaction.