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NEWS RELEASE

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## **Control Technology and Solutions (CTS) Completes \$4.7 Million in Energy Saving Upgrades to Seven Veterans Homes in Missouri**

### ***St. Louis Firm Deploys Technology to Generate \$373,900 in Annual Savings***

ST. LOUIS – The state of Missouri will collect \$373,900 in energy and operational savings thanks to innovative turnkey design and engineering services delivered by St. Louis-based **Control Technology and Solutions, Inc. (CTS)**. The firm implemented cost-saving solutions at all seven **Missouri Veterans Homes**, located in Cameron, Cape Girardeau, Mexico, Mt. Vernon, St. James, St. Louis, and Warrensburg, Mo. The **Missouri Veterans Commission** operates the homes, which total 1,350 beds.

The \$4.7 million project started in February 2008 and will wrap-up by year-end. Renovations include the installation of laundry ozone systems; energy efficient lighting; a facility management and control system (FMCS); gas, electric and water meters tied to building controls; and a new heating, ventilation and air conditioning (HVAC) system with a “frictionless chiller.” The package is forecast to annually generate \$324,000 in energy savings and \$49,900 in operational savings.

“The energy solutions we implemented offer relief from skyrocketing energy prices and encourage a more environmentally-friendly atmosphere,” says **Kit Royer**, CTS project manager. “It’s been a pleasure



CTS installs energy efficient “frictionless chillers.”

to deliver significant savings and create better homes for our state's honored veterans." Additional CTS project managers on the statewide project are **Bill Mohr** and **Rodney Bridger**.

Each Veterans Home received energy efficient renovations through Missouri's **Energy Service Contract (ESCO)** program. Installations at each location include:

- **Cameron** – FMCS with utility meters and a laundry ozone.
- **Cape Girardeau** – lighting upgrades, FMCS with utility meters and a laundry ozone.
- **Mexico** – lighting upgrades, FMCS with utility meters, HVAC and laundry ozone.
- **Mt. Vernon** – laundry ozone.
- **St. James** – lighting upgrades, FMCS with utility meters, HVAC with “frictionless chillers” and laundry ozone.
- **St. Louis** – lighting upgrades, FMCS with utility meters, HVAC with “frictionless chillers” and laundry ozone.
- **Warrensburg** – laundry ozone.

“Missouri has a goal to reduce energy consumption at state facilities by 15 percent by 2010 and the creative solutions designed by CTS will help us succeed,” says **Lonnie Thompson, PE**, energy services contract manager for the **Missouri Office of Administration**, Division of Facilities Management, Design and Construction. “These improvements figure to generate full project payback in less than 15 years.”

### ***Innovative Laundry Ozone System Cuts Water Use, Chemical Release***

New laundry ozone systems bring efficiency and “green” cleaning practices to all seven Veterans Homes. According to the **Environmental Protection Agency (EPA)** detergent-laden laundry wastewater releases billions of pounds of chemicals – many of which are toxic – into the environment each year. The use of ozone helps the environment by reducing the amount of detergent and water needed for each load, eliminating the need for hot water and speeding-up drying time.

Equally innovative are the new water-cooled centrifugal chillers with frictionless compressors added to the HVAC systems at the facilities in St. Louis and St. James. Providing the highest efficiency of any chiller available today, the system uses a digitally-controlled magnetic bearing system that greatly reduces energy consumption and requires no lubricants.

Established in 1933, the Veterans Homes program provides long term skilled physician, nursing and dietary care; physical, speech, occupational and recreational therapy; dementia treatment; and general medical and social services. To learn more, visit [www.mvc.dps.mo.gov](http://www.mvc.dps.mo.gov).

CTS provides turnkey design and construction services that dramatically improve the energy efficiency of educational, institutional and commercial buildings. To date in 2008, CTS has installed energy-saving upgrades at 13 public schools and community colleges in Missouri and Illinois. Launched in 2000 with four employees, CTS today employs 30 professionals serving clients from offices in Tulsa, Okla.; Des Moines, Iowa; Chicago, Ill.; Dallas, Texas; and Minneapolis/St. Paul, Minn. For more information, visit [www.thectsgroup.com](http://www.thectsgroup.com).

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Editor's note: **Control Technology and Solutions** has headquarters at 15933 Clayton Road, Suite 110, St. Louis, Mo. (63011).

The **Missouri Veterans Home – Cameron** is located at 1111 Euclid Ave. in Cameron, Mo. (64429).

The **Missouri Veterans Home – Cape Girardeau** is located at 2400 Veterans Memorial Drive in Cape Girardeau, Mo. (63701).

The **Missouri Veterans Home – Mexico** is located at 1 Veterans Drive in Mexico, Mo. (65265).

The **Missouri Veterans Home – Mt. Vernon** is located at 1600 S. Hickory St. in Mt. Vernon, Mo. (65712).

The **Missouri Veterans Home – St. James** is located at 620 N. Jefferson St. in St. James, Mo. (65559).

The **Missouri Veterans Home – St. Louis** is located at 10600 Lewis and Clark Blvd. in St. Louis, Mo. (63136).

The **Missouri Veterans Home – Warrensburg** is located at 1300 Veterans Road in Warrensburg, Mo. (64093).

Cutline:

*Innovative “frictionless chillers” are one component of a \$4.7 million energy-saving project upgrading all seven **Missouri Veterans Homes** designed by St. Louis-based **Control Technology and Solutions (CTS)**. The renovations will wrap-up by year’s end and save the state of Missouri \$373,900 annually.*