

E-Commissioning™

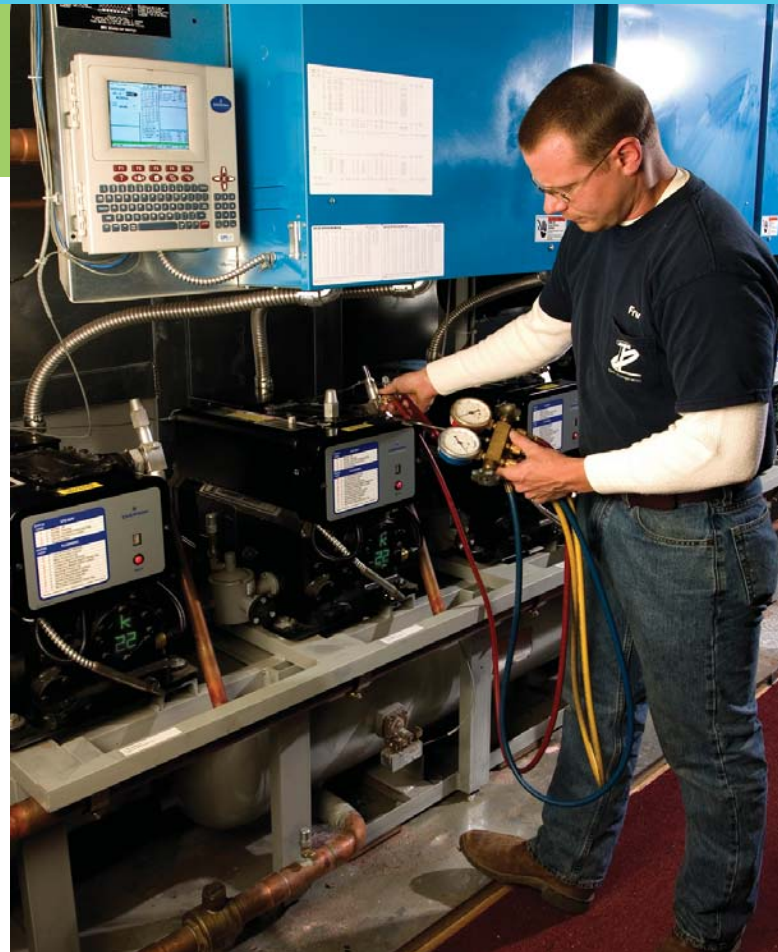
Lower Your Energy Costs

Our patented E-Commissioning™ service has been designed with one goal in mind: optimize the energy efficiency of your HVAC, refrigeration, and lighting systems within your existing facilities. E-Commissioning helps you make swift, sound business decisions.

It lets you clearly see and understand current operating conditions, then provides the necessary knowledge to make the right changes at the right time. As part of our E-Commissioning services, we provide you with complete program planning, implementation, technical teams, training, and management. In addition, we document step-by-step procedures to re-set your building and equipment controls to their optimum setpoints and uncover the problems that can lead to excessive energy usage, equipment failures and costly maintenance calls.

Typical Results:

- Typical E-Commissioning™ projects reduce energy usage by an average of 4% to 9% per store
- Payback of just 8-14 months is common
- Equipment is optimized for improved operational efficiency and energy savings



Save Your Savings

After commissioning, Emerson creates a set of custom setpoints for a particular store. These operating points allow equipment to run optimally, with minimum energy consumption. Should you desire, Emerson's Setpoint Verification Service, sold separately as part of the Intelligent Store™ Software Suite, will access your site monthly and verify that these setpoints are still in use. If these optimal setpoints have been modified, additional energy is being consumed unnecessarily. At your request, Emerson will identify these deviations, ensuring that your energy consumption remains at a minimum.



E-Commissioning™

Reports Ready Anytime

We'll keep you up to date with regular reports and complete work list items, so you can more accurately monitor your maintenance methods. All the information gathered at your facility is available to you in less than 48 hours on a secure web site designed exclusively for your use. These reports are used to pinpoint problems and help you direct your maintenance staff more efficiently. The result? Your operations run more efficiently and consume less energy than ever – adding more profits to your bottom line.

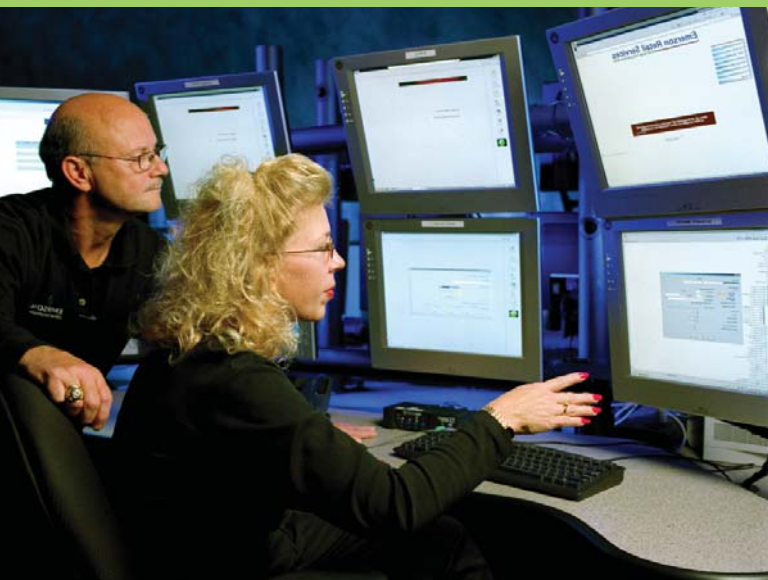
Uncover New Savings Opportunities

In addition to optimizing the energy efficiency of your store, Emerson's patented E-Commissioning process also identifies new opportunities to reduce maintenance and save energy. Our custom operating plan for your store encompasses equipment suggestions, maintenance recommendations, and a host of other ideas to lower your operating costs. These opportunities could be passed to your service provider, or Emerson would be happy to implement them as well. The choice is yours.



Typical E-Commissioning Findings:

- Mis-calibrated pressure transducers
- Incorrect low and high temperature rack suction pressure set points
- Incorrect medium temperature rack suction set points
- Incorrect high-side set points
- Mis-calibrated or non-functional humidity sensors
- Unloaders not working or in reverse
- Variable speed drives set for 60Hz continuous operation
- Failed or bypassed lighting control contractors



Intelligent Store™ Architecture

Emerson's E-Commissioning is a service component of Emerson's Intelligent Store™ architecture. The architecture creates an integrated suite of products and services that provide retail operators a new level of sophistication and insight into their operations. When integrated and linked together, these innovative products and services can provide maintenance, energy, and reliability gains. Also included in the Intelligent Store are the E2 Facility Management System, Control Link device controller, Intelligent Store Discus® compressor, select Lennox HVAC units, and other third party devices. For more information on Emerson's Intelligent Store, the Control Link platform, or facility monitoring and field services, visit www.EmersonClimate.com/retailers.htm



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