

Powersmiths has helped the following customers open the door to electricity savings:

Governments:

Architect of the Capitol
 Department of General Services
 NASA
 Revenue Canada
 SLAC National Accelerator Lab
 US Air Force
 US Army
 US Bureau of National Affairs
 US Department of State
 US Postal Service
 VA Hospital of the Caribbean

South Texas Law College
 Texas A & M
 University of California
 University of Massachusetts
 University of Michigan
 University of South Carolina
 University of Texas
 k-12 schools across the country

United Health Care
 Valley Baptist Medical Centre
 Wilkes-Barre Hospital

Commercial:

3M
 Adobe Systems
 AOL
 Bank of Montreal
 Cisco Systems
 Citicorp Credit
 City TV
 CNN
 Convergys
 Discover Card
 EDS
 Exxon Mobil
 Google
 Hewlett Packard
 JP Morgan
 KPMG
 Los Angeles Times
 Lucent Technologies
 Rogers Communications
 SWIFT
 Toronto Stock Exchange
 Walt Disney
 Williams Communications

Education:

Case Western Reserve University
 Delmar College
 Denver University
 Dixie State College
 Duke University
 Henderson State University
 Henderson University
 Lamar Community College
 Laney College
 Maryland Tech
 McMaster University
 Memorial University
 North Dakota State University
 Northwestern University
 Pace University

Medical:

Apotex
 Applied Health
 Array Biopharma
 Baptist Medical Centre
 B.C. Cancer Research Centre
 Cameron Memorial Hospital
 Florida Hospital
 Foothills Hospital
 Holy Spirit Hospital
 Kaiser Permanente
 Lafayette Hospital
 McMaster Health Center
 Medtronic
 M.D. Anderson Cancer Center
 Novex Pharma
 Physiome Sciences
 Riderwood Extended Care
 Texas Children's Hospital

Powersmiths has a network of highly qualified electrical distribution specialist across the continent ready to help you open the door to hidden electricity savings. Please visit our website or call us at 1-800-747-8870 to find your local representative.



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Open the Door to Energy Savings

- Highest Efficiency Transformers
- Best Practice Retrofit Services
- Rapid-installation Submeters
- Comprehensive Sustainability Management System





Look Inside Your Electrical Room to Find Hidden Energy Savings Opportunities

Transformers are a fundamental component of your building's electrical distribution system. They are installed when the building is built and operate for thirty or forty years. Although they are easily forgotten, older transformers can represent a substantial source of electricity waste. Replacing old inefficient transformers with high efficiency E-Saver transformers yields long lasting electricity savings.

High Efficiency E-Saver Transformers:

- Offer predictable electricity savings for decades
- Save thousands of dollars annually
 - Exceed the standard TP1 efficiency rating
 - Reduce losses by up to 50% of TP1 rated transformers
 - Contribute to LEED Energy Efficiency credits
 - Provide good payback for new construction and energy-retrofits



Recommended for all: Commercial and Institutional Buildings, Schools, Colleges/Universities and Medical Facilities.

Are Savings Available in Your Building?

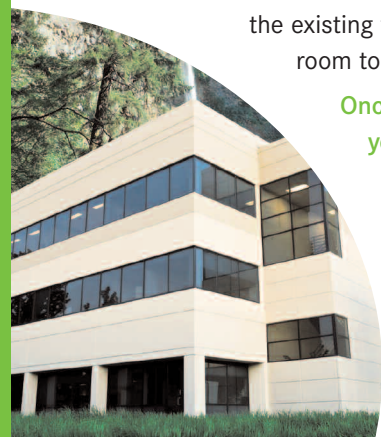
Studies conducted on thousands of transformers in the field, have found that the majority waste between 5-8% of the electricity they receive. One out of twenty wastes 10% or more. Powersmiths works directly with you or your Energy Services contractor to evaluate the annual, life cycle and environmental savings opportunity of a transformer change-out in your building.

Powersmiths Risk Free Retrofit Services

Powersmiths has developed best practice procedures to eliminate guess-work and streamline energy-saving transformer retrofit projects.

- Measure your buildings existing transformers
- Identify loading and electricity losses
- Evaluate the savings potential of a transformer change-out
- Customize the manufacturing of transformers to exactly match the existing footprint and wiring configuration of your electrical room to facilitate fast trouble-free installation

Once in place, E-Saver transformers deliver 30–40 years of lower operating costs. Contact Powersmiths to arrange for a risk free assessment of your building call 1-800-747-9627 or visit www.powersmiths.com



Case Studies

University of California Merced

- Replaced 2 transformers
- Saving \$ 3829/year
- Payback < 5 years

US Army - Aberdeen Proofing Grounds

- Replaced 86 transformers
- Eliminated 76% of kW losses
- Payback 7.9 years

US VA - Hospital of the Caribbean

- Replacing 51 transformers
- Projected annual savings > 550,000 kWh
- Anticipated life cycle savings over 20 years \$3.4 million

Monroe Woodbury High School

- Replaced 22 transformers
- Saved \$17,136/year
- Payback 8.9 years

London Catholic District School Board

- Replaced 7 transformers
- Saved \$10,116/year
- Payback 7.5 years

Identify More Savings Opportunities by Understanding When and Where Energy Is Used

Whether you are evaluating the effectiveness of energy conservation measures you have already put in place or looking for new opportunities to save, understanding when and where your building uses resources informs your decision-making.

Ready Accessibility to the Data You Need

Powersmiths WOW sustainability management system consolidates data from meters, building automation systems and spreadsheets to support energy and greenhouse gas management, and public outreach and education. Through WOW, facility managers can view hourly, daily, monthly and annual energy consumption from every major resource-consuming system and compare this data against user definable benchmarks or historical performance.

Foster a Conservation Culture with WOW

Building occupants can significantly impact resource-use. With WOW, buildings become teaching tools for sustainability. WOW's public education and outreach modules explain the how's and why's of a building's resource conservation measures, using images, videos, animations and explanatory text. Colorful real-time graphs and gauges show users when and how much water and energy resources the building actually uses. This keeps resource conservation top of mind, leverages individual efforts to conserve and helps to inspire changes in behavior.



Low Cost Rapid Installation Sub-Metering

In the face of rising energy costs, sub-metering a building's resource-consuming systems is becoming increasingly important. Submetering enables managers to more easily:

- Identify and correct resource-wasting equipment malfunctions
- Lower peak-demand charges by identifying load shifting opportunities
- Evaluate energy conservation measures.

Powersmiths offers low cost rapid installation Cyberhawk meters to support sub-metering of energy and water consuming systems. A variety of sizes and types are available to support your sub-metering program. All Cyberhawk meters are WOW compliant.

