

SMARTCOOL™

SCHOOLS SPEND MORE ON ENERGY EACH YEAR THAN ON TEXTBOOKS AND COMPUTERS COMBINED. MORE THAN 30% OF THIS ENERGY IS WASTED.

EVERY \$1 A HOSPITAL SAVES ON ENERGY IS EQUIVALENT TO GENERATING \$20 IN NEW REVENUES.

ENERGY EFFICIENCY

ECONOMIC BENEFITS

ENVIRONMENTAL SUSTAINABILITY



ESM™



ECO3™

ENERGY SAVING MODULE™ PRODUCTS

Reduces energy usage (kWh) of air conditioning and refrigeration compressors by an average of 15%

Average demand (KW) savings of 10%

Savings achieved with no effect on space temperature

Retrofit technology compatible with all air conditioning and refrigeration systems

Financial and environmental benefits are quantifiable and can qualify for rebates and other financial incentives

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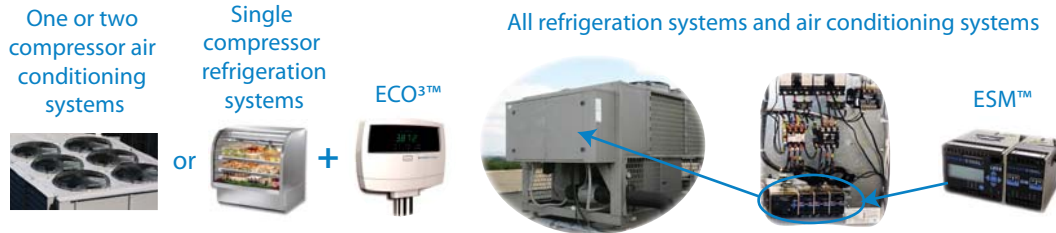
SMARTCOOL™

The Smartcool Energy Saving Module (ESM)™ and ECO3™ are unique retrofit technologies designed specifically for air conditioning and refrigeration systems. The ESM™ and ECO3™ work through a process known as 'compressor optimization', improving the efficiency of the compressors, which normally consume 70% of the total electricity used by cooling systems. This optimization results in a significant reduction in electricity consumption, operational costs and greenhouse gas emissions.

The technology interfaces with existing controls, and is compatible with all types of air conditioning and refrigeration systems. The ESM™ is suitable for installation on virtually any system, while the ECO3™ provides an economical solution for smaller single and dual compressor systems. Both are 'set and forget' technology and install with virtually no system downtime, meaning no interruptions to facility operations.

Smartcool Systems Inc. markets the ESM™ and ECO3™ through a network of distributors that interface directly with clients. Smartcool's head office in Vancouver, Canada and regional distribution hubs in Houston, London, and Sydney provide exceptional customer service for clients anywhere in the world.

APPLICATIONS FOR THE ESM™ AND ECO3™



The Smartcool ESM™ and ECO3™ can optimize the compressors within any part of the cooling systems in schools, hospitals or other institutional buildings. The ECO3™ is an ideal fit for improving energy efficiency of smaller single or dual compressor air conditioning systems or single compressor refrigeration systems. The ESM™ is perfectly suited for larger cooling systems such as refrigeration racks and chillers.

INSTITUTIONS CASE STUDY

WEST DORSET GENERAL HOSPITAL
DORSET, UK

29%
KWH SAVINGS

62,182 KWH
ESTIMATED ANNUAL REDUCTION

83,876 LBS
GREENHOUSE GAS EMISSIONS
REDUCTION

23 MONTHS
RETURN ON INVESTMENT



The Energy Saving Modules™ installed on the air conditioning systems in the West Dorset General Hospital achieved a substantial reduction in energy consumption within the institution. This reduction in kWh consumed is equivalent to the electricity required to power 13 homes for an entire year. Alternatively, the reduction in greenhouse gas emissions achieved by this project is equivalent to planting 46 acres of trees to sequester the same amount of emissions.

PROVEN TECHNOLOGY

Independent third party testing and over 25,000 installations worldwide all prove the Energy Saving Module™ product line as an effective, reliable technology providing energy savings worldwide.

QUANTIFIABLE RESULTS

Energy savings achieved by Smartcool products are easily measured, helping clients qualify for government & utility rebates.

ORGANIZATIONS



CORPORATE RECOGNITION

Deloitte.
Technology Green 15



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STANDARDS COMPLIANCE



SMARTCOOL™

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