

**We are SolXenergy.**  
A collection of  
innovative solutions for  
commercial business



A range of innovative  
technologies,  
collectively saving  
commercial businesses  
in excess of 60%  
on their energy  
consumption.



# Energy Innovation

## Contact Us

—

[www.solxenergy.com](http://www.solxenergy.com)  
[info@solxenergy.com](mailto:info@solxenergy.com)

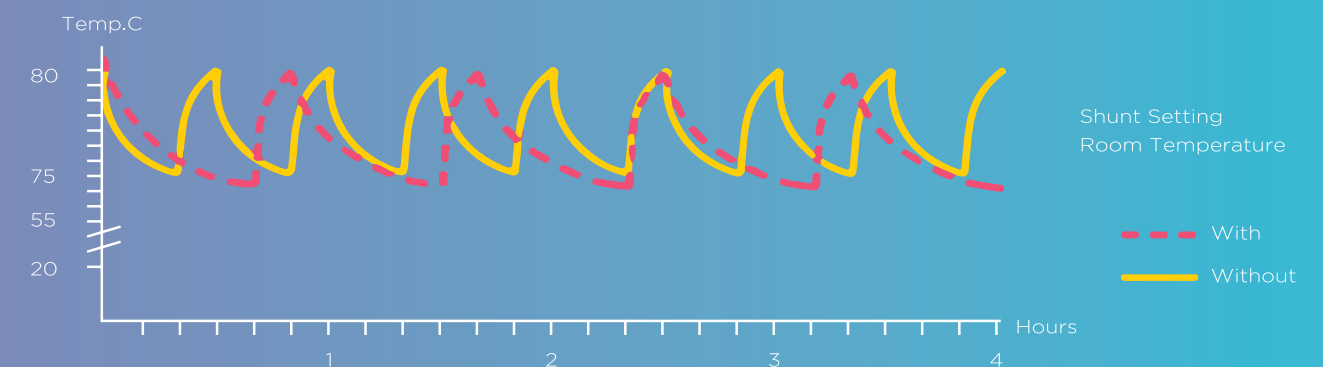


A range of LED lighting solutions covering the commercial market place.



Installation of LED lighting partnered with human interface controls reduces lighting energy consumption in the average commercial business **by up to 83%**.

Reduces the time your boiler will burn gas or oil, without temperature degradation.




The principle is shown in the graph above where the boiler cycles across a 4 hour period are reduced from 8 to 5 and therefore the overall 'burn' time is reduced downward from 80 to 62 minutes. **Reducing energy consumption by as high as 24%**, in essence providing your boiler with enhanced intelligence. Glowgas complements existing building and boiler control systems, making savings possible without the need for boiler temperature or footfall adjustments.

	WITHOUT DBMU	WITH DBMU
Number of Cycles:	8	5
Individual Burning Time:	10 min	12.4 min
Total Burning Time:	80 min (33% of 4 hours)	62 min (26% of 4 hours)
SAVING:		22%

- BRE certified
- Prolongs boiler life
- Reduces dry cycling
- Reduces CO2 emissions
- Independently proven energy savings
- Below 12-months ROI in most cases
- Thousands of units already in operation
- Energy savings reporting

## Human-Machine interface design for process control energy efficiency.

Human interface controls can reduce energy consumption in commercial business **by an average of 15%.**



AVERAGE  
REDUCTION OF  
**15%**

A human interface tracking system, designed site specific for measuring and controlling the level of human interface required on elements of energy consuming equipment.

### These include:

Lighting, refrigeration, movement, heating & cooling.

The system can be internet based and remotely monitored (subject to a monthly fee), dependent upon client requirements.

## A rigorously and substantially tested voltage optimization system.

Simple 'Fit and Forget' energy saving solution providing **genuine energy savings of up to 14%.**



SAVINGS OF  
UP TO  
**14%**

- Reduces electricity consumption by up to 14%
- Reduces your carbon footprint immediately
- Excellent return on investment
- Protects your appliances from over voltage
- Non invasive, 'Fit and Forget' solution

Protects and enhances performance on all subsequent energy efficiency measures including heat pumps, infrared heating, LED lighting and Solar PV.





## Mimics the temperature of temperature controlled products.

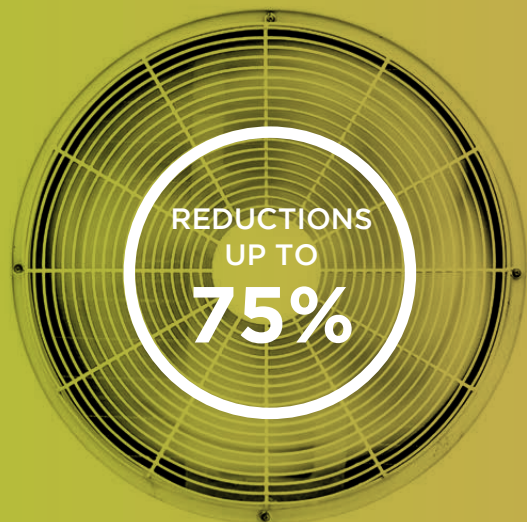
gcube's ability to reduce compressor start up cycles, can result in energy **reductions for the whole system in excess of 30%.**



- Reduces compressor cycles by up to 85%
- Doubles component lifespan
- Safe for use around all food types
- No working parts

## A full high efficiency fan, designed to be retrofitted to all aspects of refrigeration.

Compared against the energy consumption of a standard air movement refrigeration fan, Bluewind **reduces energy consumption by up to 75%.**



- EC technology ensuring optimal load running
- Low heat producing further savings



## A better way to heat your property.

Traditional heating systems only heat the air, Infrared heats the fabric of the building and retains the heat for longer, creating better thermal comfort, so your property will feel much warmer. Infrared heating can **save in excess of 30% & up to 60% of the annual energy usage.**



- Significant reductions in energy use
- Maintenance free and requires no servicing
- Considerably less damp and mould with Infrared heating



## Cold-Plus® liquid innovation.

The introduction of Cold-Plus® into all types of Refrigeration and Air Conditioning systems, typically provides efficiency **gains in excess of 8% and as high as 28%.**

GAINS IN  
EXCESS OF  
**8% UP TO 28%**

A combination of superior refrigeration oil, an etching agent, a bonding agent and a finely milled Polytetrafluoroethylene (PTFE) polymer, that is permanently bonded to the internal tubing and component surfaces, reducing friction through the permanent bond of PTFE.

- Removes and prevents oil fouling
- Reduces start-up amp spikes
- Improves refrigerant flow
- Improves pool boiling (faster cooling)
- Extends equipment life



## ThermX is listed on The ETL (or Energy Technology Product List, ETPL)

Which is a government-managed list of **energy-efficient** plant and machinery. It is part of the **Enhanced Capital Allowance (ECA)** tax scheme for businesses.

EFFICIENCIES  
EXCEEDING  
**70%**

In addition to being supplied as a complete packaged solution for all applications, our solar thermal collection units can also be retrofitted into most types of existing: screw type, digital scroll, inverter and staged scroll -Refrigeration, HVAC and Chiller systems, both in heating and cooling modes.

A solar thermal assisted heating and cooling system, utilizing the free energy from the sun to reduce the demand side energy usage of the heating and/or cooling system.





## A patented vortex air curtain guidance system, for open deck refrigeration.

Reduces energy consumption **by up to 21%.**



- Can be retrofitted onto 99% of existing open deck systems
- Can be individually branded
- Manufactured from high impact PETG
- Reduces compressor start up by in excess of 60%
- No working parts

## Detail designed and engineered by Williams F1.

Reduces the energy consumed on the overall system **by as much as 22%.**



- No working parts
- Reduces the run time of the whole system
- Compatible for retrofitting onto most refrigeration systems
- Increases the lifespan of the whole system