



## SGE Analytical Science

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# PRESS RELEASE

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**Title:** SGE Analytical Science reduces electricity use by 20%.

SGE, the global manufacturer and supplier of analytical science consumables, announces a 20% reduction in electricity use.

Over the past 10 months SGE's Sustainability Team have been developing plans and actions to reduce the company's impact on the environment. A key element of energy use is of course electrical, the sustainability team is pleased to report significant improvements in this area.

Starting with basics first, the action of turning on lights only when needed has resulted in a dramatic reduction. For example, a 500 watt light bulb was being used everyday, now it is only being used when necessary, about 12 times a year.

Further savings have been achieved through ensuring machinery is operating efficiently; a 22,000-Watt air compressor is a prime example of this activity. The air compressor was operating from a source of already warm air leading to large in-efficiencies in the whole system. Improving the fresh air flow into the compressor has resulted in lower air temperatures dramatically increasing the efficiency of the system.

Another problem area of focus for the Ringwood site sustainability team is the air conditioning systems. Analysis of the sites air conditioning use has revealed that areas of the SGE building had in-adequate roofing insulation allowing heat to build in the roof and radiate into the building. The addition of insulation material has resulted in reduced heat transfer from the roof to the building minimising the work required from the air conditioning units.

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