



THE INTERNATIONAL SCHOOL OF MACAO
MACAO UNIVERSITY OF SCIENCE TECHNOLOGY
AVE. WAI LONG, BLOCK K, TAIPA, MACAU
TEL: 28533700, FAX: 28533702

Media Release

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Thinking Green Reduces The International School of Macao's Energy Costs by 32.1%

The International School of Macao (TIS) joined with Honeywell, the Clinton Climate Initiative (CCI) and Companhia de Electricidade de Macau – CEM SA (CEM) to implement the “Thinking Green Classroom” in 2009. This is an interactive learning program aimed at fostering a better understanding of energy efficiency and sustainability.

The first phase of the project was completed in August 2009, when TIS fitted each classroom with motion sensors to control lights and air conditioners. Reflectors were added to all light fixtures to work towards reducing the number of light bulbs used.

Adjustments were made to the air conditioning and fresh air units of the Multi Purpose Room (MPR). An automation system and motions sensors were installed to control the timing and air curtains were added to the MPR doors to eliminate the loss of cold air during high traffic times.

Honeywell presented the quarterly savings performance results for October to December 2009, with an aggregated saving of 32.1% of electricity costs. Savings over the three main areas in classroom air conditioning, MPR air conditioning and lighting are 33.7%, 39.9% and 29.2% respectively.

“We are extremely pleased with these results,” Mr Stribbell, TIS Thinking Green Project Leader commented. “These results reflect the dedication of the TIS Community towards this project. The savings target is a 25% reduction in electrical consumption every month, which would result in TIS saving 85 tonnes of CO₂ emissions each year.”

TIS is the first school in Macao to utilize a comprehensive green plan as a cost reduction and as an educational tool.

Media contacts:

Alexandra Macaulay
+853 2853 3700
alexandra.macaulay@tis.edu.mo

Howard Stribbell
+853 2853 3700
howard.stribbell@tis.edu.mo