



**Fact Sheet about ITESM, Campus Monterrey
Energy Efficiency Leader in Education Award**

– Energy Saving Upgrades Part of Campus-Wide Sustainability Program –

<p>What's Happening</p>	<p>The Instituto Tecnológico y de Estudios Superiores de Monterrey (Monterrey Tec), Campus Monterrey, in Nuevo Leon, Mexico, recently completed infrastructure improvements that have created a more comfortable academic environment and reduced annual energy consumption by 13 to 15 percent. The upgrades are part of a campus-wide commitment to sustainability launched in 2001. In recognition of their demonstrated commitment to increased energy efficiency and reduced waste, administrators at Monterrey Tec will receive the Trane “Energy Efficiency Leader in Education Award” on April 22. Administrators at Monterrey Tec will be the first organization in Mexico to receive this honor.</p>
<p>About Monterrey Tec</p>	<p>Monterrey Tec was founded in 1943 thanks to the vision of Eugenio Garza Sada and a group of businessmen who established a non-profit association. Monterrey Tec is a private, non-profit institution independent of and not related to any political party or religious group.</p> <p>The work of Monterrey Tec and of all of its campuses is supported by civil associations made up of a large group of outstanding leaders from all parts of the country, which is committed to quality in higher education.</p> <p>Each year, the trustees of these civil associations meet to establish the goals which will guide the important decisions needed for Monterrey Tec to achieve its mission of becoming an engine for the development of local communities and the country.</p> <p>Today, Monterrey Tec is a multi-campus university system with academic centers in various regions of the country. The prestige that Monterrey Tec attained from the start, not only for its academic standards but also for the culture of entrepreneurship, hard work, efficiency and responsibility it seeks to instill in its students, has motivated alumni from around the country to promote the establishment of Monterrey Tec campuses in their home cities.</p>
<p>Selected Systems</p>	<p>The school's administrators launched the “sustainable campus” effort to promote environmental responsibility in campus buildings and among students and faculty. The program focuses on reducing consumption and waste of utilities, adding flora and fauna to the campus and encouraging social responsibility.</p> <p>After launching the program, administrators at the college decided to centralize all of the chilled water systems on the nearly 13-acre campus. They wanted to combine operations distributed among their aging plants to increase energy efficiency and to reduce operations and maintenance costs. They also sought to provide a more comfortable and stable learning and teaching environment for students, faculty and staff. The new plant features three 1,000-ton, high-performance, centrifugal chilled water systems which provide a more stable and comfortable environment in campus buildings while reducing energy consumption 13 to 15 percent. College administrators also undertook an annual service agreement which helps to maintain optimal performance of the centrifugal chillers.</p>

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<p>Selected Systems, continued</p>	<p>Other campus improvements have included a new water treatment plant to reuse gray water for green campus areas and the installation of low-flow toilets and sinks. Today more than 93 percent of the water used for green areas comes from the water treatment plant. The facilities department has also replaced old boilers and stoves with new high-efficiency equipment to reduce the consumption of natural gas by 17 to 19 percent. Actively recycling since 1991, Monterrey Tec, opened a recycling center for the local community in 2007. From 1998 to 2009, they almost quadrupled the amount of plastic and paper they collected for recycling.</p>
<p>Sustainability Program</p>	<p>To complement the Monterrey Campus effort towards sustainability, in 2007, the academic vice president launched a multi-campus effort to incorporate sustainable development concepts in its curricula. The school has incorporated at least three courses related to sustainable development into all its academic programs .</p> <p>The college also offers coursework to prepare students to pursue careers as “sustainable development engineers,” a role which focuses on mechanisms and systems related to efficient energy generation and use.</p> <p>Monterrey Tec is the first educational institution in Latin America that, since 2004, has been licensed to use the online course, CHRONOS (http://www.sdchronos.org.) as a tool to promote sustainable development with professors and students. That tool was developed by the Programme for Industry of the Cambridge University in alliance with the World Business Council for Sustainable Development (WBCSD). The tool explores the meaning of sustainable development from a diversity of opinions.</p>

About Trane

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