



The Greenest Energy... is the Energy you Never Consume!

THE TECHNOLOGY CONSORTIUM will dramatically cut energy costs with modern technology

Ron Hoffman understands that there are sexier ways to be green, noting the appeal of windmills, solar panels, green roofs and earthen walls.

But the founder and president of The Technology Consortium believes he has a simpler way for businesses to cut power consumption — and energy bills — with existing, proven technology that capitalizes on something most find decidedly unsexy: math.

The HELP System — High Efficiency Local Processor — is a microprocessor-controlled retrofit system installed on your existing commercial HVAC equipment. The HELP System's patented technology adjusts your HVAC system so it uses only the electricity actually needed at any moment.

"Turn off the lamp, that's conservation," Hoffman said. "Make the lamp produce the same light with less electricity, that's efficiency. That's what we're doing: saving money by using less power, while keeping the HVAC output the same."

The Technology Consortium's focus is to retrofit HVAC units, but the HELP System will work as well on other motorized equip-

ment, Hoffman said.

"HVAC and other motorized systems usually operate strictly in an on/off manner but rarely need to operate at full speed," Hoffman said. "'All-or-nothing' operation is wasteful, so we turn your single-speed equipment into variable speed based on demand. Our HELP System is added without modifying or replacing any existing components and the savings are immediate, substantial and quantifiable."

After being installed in thousands of international locations — including some familiar names like KFC, Mercedes Benz and Union Bank — the first HELP System in North America was installed at Ashland Inc. in Piedmont in 2011 and continues to successfully operate today. Duke Energy testing showed an energy reduction of 30% from normal operation.

Additional benefits of the HELP System include a reduction of wear and tear, better performance, lower humidity, less maintenance and longer equipment life, Hoffman said.

Hoffman formed The Technology Consortium in 2007 after

more than 30 years in mechanical engineering and consulting. He learned about the energy-saving technology in 2009 and secured North American rights.

"Once we develop the domestic market, we will purchase the proprietary components and create jobs by building the HELP System in South Carolina," said Hoffman.

The HELP System won the InnoVision Technology Award in 2010 and a related product, SPEED Series, was a finalist in 2012. The SPEED Series uses the same technology to cut costs on applications such as escalators and conveyors. The device monitors the demand and adjusts to use only the electricity needed to transport the current load.

The HELP System qualifies for many energy incentive programs, and savings pays for the equipment within two years, according to Hoffman. "We know this technology works," he said. "Both the HELP System and SPEED Series are modern upgrades to established and proven technologies. It doesn't get media attention like solar and wind power, but it works."