



## Autodesk Software Helps Company Turn Waste Into Ultraclean Energy

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### Enventix Relies on Digital Prototyping to Speed Development of Ground-Breaking Waste Conversion Systems

SAN RAFAEL, Calif., Jun 27, 2011 (BUSINESS WIRE) --

Enventix Inc., a clean tech company focused on alternative energy, is successfully using software from [Autodesk, Inc.](#) (NASDAQ: ADSK) for green manufacturing to develop its patent-pending Enpresso system. The system enables the conversion of municipal waste, biomass and other low-grade feedstocks into clean, renewable energy.

The Autodesk [Clean Tech Partner Program](#) -- which provides software for emerging clean tech companies in North America, Europe and Japan -- provided Enventix with powerful [Digital Prototyping](#) software to help evaluate, validate and refine its original concepts.

By converting waste to energy two to six times more effectively than competing systems while exceeding any standard for air emissions, Enpresso can dramatically reduce the carbon footprint of current waste management and energy generation practices.

Enpresso's efficiency comes from its innovative design, which produces pure syngas for a gas turbine converted from waste affordably and cleanly at the distributed scale. Its elegant and simple design represents a break from conventional thermo-chemical reactor concepts.

#### Optimizing Green Manufacturing with Digital Prototyping

The Enventix team used [Autodesk Inventor](#) software in every step of the development of the Enpresso system, benefiting from more collaborative conceptual design within the team through time- and cost-saving digital prototypes, and providing data for the creation of detailed computational fluid dynamics and thermo-mechanical modeling. Autodesk reseller KETIV Technologies provided training and support to help enable Enventix to more fully adopt Digital Prototyping to design Enpresso.

"Digital Prototyping gives our designers and engineers the capability to fully optimize their designs about 20-40% more quickly," said Monem Alyaser, founder, president and CEO of Enventix. "As the complexity of systems and projects grows, our time to market has also been shrinking. The costs of not using Digital Prototyping are just too big, and Autodesk software is the best choice."

Digital Prototyping also plays a crucial role in helping Enventix communicate its vision to outside parties and investors. [Autodesk Showcase](#) software renders mechanical designs into photorealistic representations of the company's products, while [Autodesk 3ds Max Design](#) software creates animations that help convey the company's most complex technology concepts. Enventix additionally uses [Autodesk Vault Professional](#) to more effectively manage design projects across the three locations where their design team is based.

"From product development to marketing, Enventix is making good use of Digital Prototyping to help solve the huge renewable energy conversion challenge that society faces," said [Robert "Buzz" Kross](#), senior vice president, Manufacturing Industry Group at Autodesk. "Through the Clean Tech Partner Program, Enventix is producing radical solutions with minimal investment."

#### About the Clean Tech Partner Program

The Autodesk Clean Tech Partner Program supports the efforts, innovations and environmental advancements of clean technology pioneers, providing world-class software to design, visualize, and simulate their ideas through [Digital Prototyping](#). Clean tech companies in North America, Europe and Japan are invited to apply to receive up to \$150,000\* worth of software for only \$50. Access to a collection of Autodesk industry-leading software includes up to five licenses of [Autodesk Product Design Suite Ultimate](#), [AutoCAD Revit Architecture Suite](#), [Autodesk Simulation Mechanical](#), [Autodesk Inventor Publisher](#) and [Autodesk Vault Professional](#) software. For additional information, visit <http://www.autodesk.com/cleantech>.

#### About Enventix

Enventix, Inc. was established in 2009 in Silicon Valley to develop its technology for converting waste, biomass or other low-grade feedstocks into a substantial and clean source of energy. Enventix's compact Enpresso system produces ultra-clean power from mixed waste at the distributed scale, yielding breakthrough efficiency and economics. For additional information, visit [www.enventixinc.com](http://www.enventixinc.com).

#### About KETIV Technologies

KETIV Technologies is a leading Autodesk solutions provider with 25 years of experience delivering CAD software and services in California, Arizona, Nevada, Oregon and Washington. Providing business consultation and support in a variety of fields, including manufacturing, civil engineering and process plant industries, KETIV's team of industry experts increases the profitability of engineering companies by helping them simplify the process of conceptualization, design and production. For additional information, visit: [www.ketiv.com](http://www.ketiv.com).

#### About Autodesk

Autodesk, Inc., is a leader in [3D design](#), engineering and entertainment software. Customers across the manufacturing, architecture, building, construction, and media and entertainment industries -- including the last 16 Academy Award winners for Best Visual Effects -- use Autodesk software to design, visualize and simulate their ideas. Since its introduction of AutoCAD software in 1982, Autodesk continues to develop the broadest portfolio of state-of-the-art software for global markets. For additional information about Autodesk, visit [www.autodesk.com](http://www.autodesk.com).

An interview with Enventix, Inc. is available on the Autodesk YouTube Channel at <http://www.youtube.com/watch?v=Ng-rKkE6ZpA>.

*\*Value is based on up to five commercial licenses of each application.*

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