



## Autodesk Inventor Software Used to Design First 3D Printed Car

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### Autodesk, Inc. Helps Drive Sustainable Design for KOR EcoLogic's Urbee; Green Car Gets 200 MPG

LAS VEGAS, Dec 02, 2010 (BUSINESS WIRE) --

**Autodesk University** -- [Autodesk, Inc.](#) (NASDAQ: ADSK) announced today that KOR EcoLogic used Autodesk's software solution for [Digital Prototyping](#) to design the first prototype car with a body created using a 3D printer. The [KOR EcoLogic Urbee](#) car gets up to 200 miles per gallon (MPG) and uses a hybrid electric/gasoline engine.

The Autodesk [Clean Tech Partner Program](#) -- which provides design and engineering software for emerging clean tech companies in North America and Europe -- enabled KOR EcoLogic to design and test the Urbee using Autodesk tools, including [Autodesk Inventor](#), [Autodesk Showcase](#), and [Autodesk Alias Design](#) software.

"The Urbee was designed from the ground up to be as efficient as possible, and to run on renewable energy," said Jim Kor, president and chief technology officer of KOR EcoLogic. "From concept through rendering, Autodesk software helped us not only build an efficient and sustainable car, but also communicate our designs to a broader audience, including potential investors."

Using Autodesk partner Stratasys' digital manufacturing service, Urbee is the first car to have its entire body 3D printed with an additive process.

#### Sustainability Central to Urbee's Design

The KOR EcoLogic team began by developing a set of core principles and pinning them to their workshop wall. Among them, the Urbee was designed to use minimal energy and produce less pollution during its design, manufacturing, operation and recycling stages, while remaining affordable and visually appealing.

The Urbee can be charged through a standard home outlet, or through a home solar array, windmill or conventional energy source, running on as little as 1 cent of energy per mile travelled.

"Startup clean tech companies need technology enabling them to create professional, fully realized and tested designs, while benefiting from visually stunning imagery of their products," said [Robert "Buzz" Kross](#), senior vice president, Autodesk [Manufacturing Industry Group](#). "KOR EcoLogic is a great example of the combined power of Digital Prototyping and sustainable design."

The Urbee team used Autodesk Inventor software to design a 3D digital prototype of the car's body and subject it to simulated road and wind conditions, test different body designs to minimize drag and reduce overall weight by eliminating excess parts. More than 80 percent of a product's environmental impact can be determined during the design phase, making Inventor a critical component in establishing the Urbee's high level of environmental responsibility. KOR EcoLogic used Autodesk Showcase 3D visualization software to create photorealistic renderings of the Urbee for marketing to potential investors, partners and the general public.

The Urbee was a contender for the 2010 Automotive X Prize, which challenges teams to design, build and race super-efficient, low-emission vehicles that can be manufactured for the mass market.

#### About the Clean Tech Partner Program

The Autodesk Clean Tech Partner Program supports early-stage clean technology companies by providing design and engineering software that accelerates their development of solutions to the world's most pressing environmental challenges. Clean tech companies in North America and Europe who can benefit from Autodesk solutions for Digital Prototyping are invited to apply to receive up to \$150,000\* worth of software for only \$50. Access to a collection of Autodesk software applications includes up to five licenses of [AutoCAD Inventor Professional Suite](#), [Autodesk Showcase](#), [Autodesk Vault Professional](#), [Autodesk Revit Architecture](#), [Autodesk Alias Design](#), [Autodesk Algor Simulation](#) and [Autodesk Inventor Publisher](#) software. For additional information, visit [www.autodesk.com/cleantech](http://www.autodesk.com/cleantech).

#### About KOR EcoLogic

KOR EcoLogic Inc. is a Winnipeg, Canada based corporation focused on design based solutions to global environmental issues. Urbee, which stands for URBan Electric with Ethanol backup is designed to run entirely on clean, renewable energy. It will operate for a minimum of 30 years before being recycled, further reducing its environmental impact. For more information on KOR EcoLogic and the Urbee project, please visit [www.urbee.net](http://www.urbee.net).

#### 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 15 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).

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