



## Autodesk Software Helps Company Create Distinctive Transit Shelters and Displays

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Autodesk Product Design Suite Increases Tolar Manufacturing's Design Efficiency by Up to 25 Percent

SAN RAFAEL, Calif.--(BUSINESS WIRE)--Jan. 31, 2012-- [Autodesk, Inc.](#) (NASDAQ:ADSK), has named Tolar Manufacturing (Tolar) — a manufacturer of transit shelters, street furniture and advertising kiosks — as the Autodesk [Inventor of the Month](#) for January 2012. Tolar was recognized for its use of Autodesk software in creating custom products tailored to the needs of municipalities throughout North America.



Sonoma County transit shelter manufactured by Tolar Manufacturing and designed with the help of Autodesk Product Design Suite (Photo: Business Wire)

Tolar offers more than 500 shelter types within the company's four main product lines, each designed and engineered to be long-lasting, attractive and environmentally friendly. This includes complying with a wide range of building code requirements

across North America and community design requirements from economical transit shelters to high volume bus rapid transit facilities. Tolar client expectations for purpose-driven design range from hurricane-resistant bus shelters for Florida communities to solar-powered transit displays for agencies in California.

"We recognize the need to design shelters specifically for today's urban environments, and Autodesk [Product Design Suite](#) definitely helps us do that more efficiently," said Patrick Merrick, executive vice president of Tolar. "We estimate that we've been able to improve our overall efficiency by 20 to 25 percent, thanks in large part to Autodesk software."

### Digital Models Streamline Operations

Working with Autodesk Gold Partner KETIV Technologies, Tolar has significantly expanded its [Digital Prototyping](#) portfolio in recent years and now relies on [Autodesk Inventor](#), [Autodesk Inventor Publisher](#), [Autodesk Showcase](#) and [Autodesk Vault](#) software.

On a typical project, Tolar begins by creating 3D models of the proposed shelter using Inventor software. To further communicate design intent to customers, Tolar can create a near-photorealistic image of the model in Showcase software, and then superimpose it over an actual streetscape from the customer's town, enabling customers to see exactly what Tolar's product will look like when installed in the community.

Next, the Inventor manufacturing models are used to fabricate the multiple components that make up the shelter. These models provide clear, concise and comprehensive communications, resulting in fewer errors on the shop floor.

Additionally, Tolar uses Vault software to centrally store and manage its digital data, making it easier for the company to access and reuse drawings of specific parts for multiple projects rather than having to start each time from scratch — significantly reducing project turnaround time. Tolar also uses Inventor Publisher software to create installation instructions for customers.

"Tolar Manufacturing is gaining a powerful advantage across all aspects of its operations with Digital Prototyping," said [Robert "Buzz" Kross](#), senior vice president, Design, Lifecycle and Simulation at Autodesk. "With Autodesk software, the company is able to take its existing creative design processes and world-class manufacturing standards and make them even stronger."

### About the Autodesk Inventor of the Month Program

Each month, Autodesk selects an Inventor of the Month from the users of Autodesk Inventor software, which takes manufacturers beyond 3D to Digital Prototyping. Winners are chosen for engineering excellence and groundbreaking innovation. For more information about Autodesk Inventor of the Month, contact us at [IOM@autodesk.com](mailto:IOM@autodesk.com).

### About Tolar Manufacturing

Founded in 1991, Tolar Manufacturing Company, Inc., designs and fabricates best-in-class bus shelters, street furniture and display structures. The company operates a 55,000 square-foot company-owned modern structure in Corona, Calif., that serves as its corporate headquarters and manufacturing facility. For additional information, visit [www.tolarmfg.com](http://www.tolarmfg.com).

### About KETIV Technologies

KETIV Technologies is a leading Autodesk solutions provider with 25 years' experience delivering CAD software and services in California, Arizona and Nevada. Focused on the manufacturing, civil engineering and process plant industries, KETIV's team of industry experts increase 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).

Editorial Note: An interview with Tolar Manufacturing is available on the Autodesk YouTube Channel at <http://www.youtube.com>

[/watch?v=eoLchEj7m2Q.](#)

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