



## New Zealand Company Speeds Up Architectural Projects With Autodesk Software

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4th Dimensional Facade Solutions Uses Autodesk Inventor Software to Save Time, Win More Business

SAN RAFAEL, Calif.--(BUSINESS WIRE)--Feb. 28, 2012-- [Autodesk, Inc.](#) (NASDAQ: ADSK) has named 4th Dimensional Facade Solutions, the New Zealand-based design and build company, as the Autodesk [Inventor of the Month](#) for February 2012. The company was recognized for its use of [Autodesk Inventor](#) software to create stunning facades for a series of projects with unique physical and environmental challenges, as well as highly complex design and build procedures.

The company's assignments include a café that sits on the edge of a mountain, 6,000 feet above sea level; a Moroccan-style restaurant with an elaborate operable window system; and a stunning vacation home called Jagged Edge, where each facade on the structure is rhombus-shaped, and contains no 90-degree angles.

"The [Digital Prototyping](#) capabilities of Autodesk's products enabled us to develop and plan original and unique designs that are financially viable and award-winning," said Jason Dent, founder of 4th Dimensional Facade Solutions. "This is a key reason why we are winning these amazing design projects from clients."

Using Autodesk Inventor enabled 4th Dimensional Facade Solutions to streamline its design workflow and, in the company's estimation, effectively eliminate 10,000 hours of designing and physical labor, an approximate savings of NZD\$775,000 (US\$830,000) across the three particularly challenging projects mentioned above.

### Digital Prototyping Ensures Accuracy, Reduces Costs

4th Dimensional Facade Solutions worked closely with its reseller—Autodesk Gold Partner CADPRO Systems—to capitalize on the benefits of Autodesk software throughout the design and build process. To fully capitalize on the power of Autodesk Inventor software, 4<sup>th</sup> Dimensional Facade Solutions uses high-performance Dell computers and NVIDIA graphic cards.

In the design phase, 4th Dimensional Facade Solutions used Autodesk Inventor to create 3D Digital Prototypes of the facades. By simulating and validating the accuracy of its designs, the company was able to more confidently order the exact amount of premeasured materials from overseas manufacturers required to construct the facades.

The interoperability of Autodesk's products ensured that the company was able to work smoothly across [AutoCAD](#), [Autodesk Revit](#) and Autodesk Inventor software and effectively collaborate with architects, engineers and other partners during the build phase—helping to minimize on-site errors.

### 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 4<sup>th</sup> Dimensional Facade Solutions Ltd.

Operating since 2004, 4<sup>th</sup> Dimensional Facade Solutions is a New Zealand-based design and build consultancy specializing in glass facades, and also dealing in timber and steel works.

### About CADPRO Systems Ltd.

CADPRO Systems is New Zealand's leading supplier of professional Computer Aided Design technology, specializing in Digital Prototyping solutions for Manufacturers and Building Information Modeling (BIM) technology for architects, engineers, contractors, and owner/operators. For more information, visit [www.cadpro.co.nz](http://www.cadpro.co.nz).

### 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).

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