Burgess Architectural Products Limited

Customer Success Story

Autodesk® Inventor®
Autodesk® Vault Manufacturing

With the Autodesk software solution, our engineering and production departments are working more closely than ever before. The change process is now foolproof, and everyone is confident that they are working with the latest design revision at all times.

—Neil Wood
Technical Manager
Burgess Architectural Products Ltd.

The ceiling business is looking up

Digital Prototyping helps Burgess Architectural meet higher demands.

Image courtesy of Burgess.

Project Summary

For over 50 years, UK-based Burgess Architectural Products Ltd. has been leading the way in advanced metal suspended ceiling systems. Underpinning its success is an ongoing investment in state-of-the-art techniques and technologies, as well as a dedication to pioneering aesthetic, cost-effective solutions that stand the breadth of time. For example, the company patented and introduced the first clip-in metal ceiling tiles, and it has added a range of solutions that address such challenges as those associated with tight corridors.

To keep pace with its customers' increasing demands, Burgess began working with its Autodesk partner, Trionics, to implement Autodesk® Inventor® software and Autodesk® Vault Manufacturing. The combined use of these solutions enabled it to:

- Accelerate time to market by 50 percent
- Increase productivity by 20 percent
- Continue sustainable design and manufacturing practices

The Challenge

As an industry pioneer, Burgess has an ongoing challenge to continue to produce the finest quality and craftsmanship, along with a need to place a strong emphasis on environmental sensitivity and to organize tens of thousands of drawings.

The Solution

With Autodesk Inventor software, the designers at Burgess can now create a single digital model that gives them the ability to design, visualize, and simulate their products before they are built. Moreover, according to Neil Wood, Burgess technical manager, the capability to produce realistic 3D images of their projects has helped them better communicate with customers and win more bids.

With the Autodesk Vault family of data management products, Wood and his team can better manage the Digital Prototyping process by reducing the time to organize files, avoiding costly mistakes, and more efficiently reusing existing designs.

"With the Autodesk software solution, our engineering and production departments are working more closely than ever before," says Wood. "The change process is now foolproof, and everyone is confident that they are working with the latest design revision at all times."

The Result

By implementing a Digital Prototyping solution with Inventor software and Vault Manufacturing, Burgess has helped boost overall productivity by 20 percent, accelerate its design and manufacturing cycles by 50 percent, and reduce physical prototyping of new designs by 70 percent, leading to significant cost savings and less materials waste.

In short, Burgess' business is still booming in tough economic times, and it continues to make a difference by remaining strongly committed to environmental responsibility. "We're proud to say that the steel sheets and coils we use contain at least 20 percent recycled content, and the structural steel we use contains up to 60 percent," says Wood. "Not to mention that our ceiling system has a product lifecycle of 30 years and is 100 percent recyclable."

For more information on how Autodesk Inventor takes you beyond 3D to Digital Prototyping, visit **www.autodesk.com/inventor.**

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