

Design professionals in the manufacturing, building, and infrastructure industries around the world use Autodesk Consulting to get more from their Autodesk software and take their businesses to the next level. Results tell the story.



MANUFACTURING

Joy Mining Machinery Turns Process into Value

The key to this entire process was the selection of Autodesk as both our technology and global implementation partner. I don't know of another company that can provide the technology strengths, sophisticated software, and worldwide implementation services that make up this comprehensive solution.

—Tim Morris
Director of Global
Engineering Systems
Joy Mining Machinery

Joy Mining Machinery had a fragmented process that needed repair: 400 people in four distinct engineering teams, located in four countries, using five different CAD systems. To address these problems, Joy moved to an Autodesk solution:

- Autodesk Inventor® 3D modeling software
- Online project hosting to improve collaboration
- A range of Autodesk consulting and training services

To minimize disruption to business operations, Joy chose Autodesk Consulting to coordinate data conversion and training programs across the enterprise. Among Joy's implementation challenges was loading

Autodesk Inventor® Series and associated software on hundreds of workstations worldwide. Autodesk Consulting developed a customized, automated process that reduced loading time by more than 70 percent.

Joy knew that a uniform set of instructions for creating digital design data was crucial to effective sharing and reuse of the data. Autodesk Consulting worked with INCAT, an Autodesk Authorized Reseller and ADN member in Novi, Michigan, to produce Joy's new standards manual. Now Joy employs a comprehensive set of 2D and 3D standards and templates that can be expanded in the future.

BUILDING

Oculus, Inc., Embraces Emerging Technology

Oculus, Inc., enjoys a growing reputation for excellence in the architecture, interior design, and facilities management industry. That's why Oculus engaged Autodesk Consulting to help it find new ways to deliver superior value to its customers. "Remaining competitive in the marketplace requires the early adoption of software. Autodesk's evolving tools allow us to continue to offer our clients more," noted Ron Reim, executive vice president of Oculus.

After selecting Autodesk® Revit® software with advanced parametric building information modeling capabilities, Oculus worked with Autodesk Consulting to help its architects make a smooth and efficient transition from traditional drafting-based design. In addition to helping map out best practices and best processes for Oculus, Autodesk Consulting was instrumental in assisting with the transfer of valuable design data stored in AutoCAD® DWG files into Revit for accelerating future prototype projects.

While much of our staff has become very capable on Revit, they are already producing projects and don't have time to train our other users. Autodesk Consulting kept the transition fluid.

—Ron Reim
Executive Vice President
Oculus, Inc.



INFRASTRUCTURE

Thames Water Opens Up GIS

We were trying to work through this issue internally, of bringing true integration to our spatial data management in an open central database accessible from all areas of the business, when Autodesk Consulting entered the picture. They knew where we needed to go in terms of solving our business challenges and, more importantly, how to get us there.

—Simon Timmis
IS Business Change Consultant
Thames Water

Thames Water, the world's third largest water company, identified an underutilized asset that could be used to make their operations run more efficiently and cost-effectively. The asset: geographic and spatial data. The problem: how to make it accessible to everyone in the organization. Thames chose Autodesk, along with Oracle, Ordnance Survey (an ADN member), Crowder, and Atos Origin, to help them meet this challenge.

Autodesk Consulting implemented a solution consisting of Autodesk MapGuide® technology on top of an Oracle® Spatial database with Autodesk Map® 3D 2005 to create and update the network data set.

Autodesk Consulting developed a series of Java™ Web Services so that Thames Water could generate network asset reports from the single database source.

With the goal of putting Thames Water's data assets into a single, open platform, Autodesk Consulting worked closely with Ordnance Survey and Oracle Consulting to establish a pilot database. When the pilot went live, all parties involved were delighted with the results.