

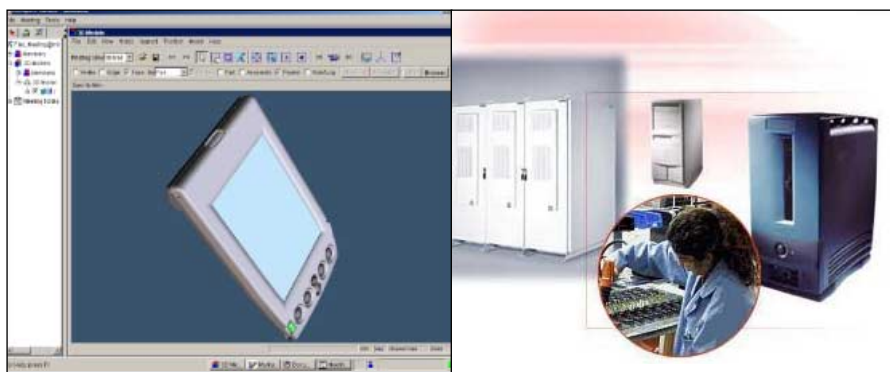


OneSpace Collaboration Provides Flextronics with Maximum Flexibility

The Situation

"In our new process with OneSpace Collaboration, we've already saved over \$300,000 a year due to shorter design review processes. I think the cost savings speak for itself."

Malcolm Smith, Vice President R&D for Flextronics



Flextronics Profile

Flextronics, headquartered in Singapore, is a leading provider of Electronics Manufacturing Services to Original Equipment Manufacturers



The Challenges

Flextronics wanted to reduce the time it takes to deliver products to volume production. Specifically they sought to

- Make Design Reviews more effective, less expensive, and less time consuming.
- Eliminate confusing communication and resulting delays caused by email and fax technologies.
- Work more effectively with disparate CAD technologies.

The Solution

- CoCreate's OneSpace Collaboration software

The Results

- Daily design communication among customers, suppliers, and internal departments shortens time to volume manufacturing.
- Ability to work with multiple CAD files also shortens development cycle.
- Reductions in travel costs saved \$100,000 on a single project.

(OEMs). They have design, engineering, and manufacturing operations in 27 countries.

Flextronics' business strategy is focused on providing rapid time to volume for their clients. Time to volume refers to the length of time it takes to bring a product from concept to a high volume, stable state production mode.

To stay competitive, Flextronics launched their "Design Anywhere, Deploy Anywhere" initiative, which leverages the best engineering and manufacturing available for any particular product or customer. Flextronics deployed OneSpace Collaboration as a result of this initiative so that they could communicate more effectively within their own company, with sub-contractors and with their customers.



Flextronics is a global leader among Electronics Manufacturing Service providers because of their reputation for taking projects from concept to high-volume production (time to volume) at lightening speed.

But to stay competitive, Flextronics knows they must constantly do even better – deliver products tomorrow faster than today. So recently they identified several areas where their processes could be streamlined:

Design Reviews: Flextronics conducts several design reviews each month with their clients. “A key outcome from these meetings is to gain agreement with all parties before committing resources,” says Flextronics Vice President of Research and Development, Malcolm Smith. “Our process was time consuming and often subject to misinterpretation.”

Communication Technologies: Smith adds that communication methods such as FTP and email didn’t help much either, as these technologies led to more miscommunication and delays.

Multiple CAD Systems: Flextronics also works with disparate CAD systems, a result of having a diverse client base. Working with two or more CAD systems on a single customer project is cumbersome and prone to errors.

Flextronics chose CoCreate’s **OneSpace Collaboration** to facilitate their design projects with customers, suppliers, and staff.

Flextronics now meets over the Internet with their clients. They share design data, even 3D models from many popular CAD systems, and work together in real time. OneSpace Collaboration dramatically improved design communication for the company

For example, a design firm in Australia recently came to Flextronics for help with a complex design.

The Flextronics project manager in Colorado used OneSpace Collaboration to meet over the Internet with the mold maker (in Taiwan), the designer (in Australia), and the OEM (in Australia).

The Result? Unambiguous communication for a fraction of the cost of traditional design reviews. “Due to the international scope of this project and the design complexity,” says Smith, “we would have spent well over \$100,000 on travel costs alone had we brought this team together for all the design reviews needed.”

And that’s not unusual for the global company. “We’re involving multiple sites and multiple disciplines all over the world on many projects,” continues Smith. “However, you can’t put someone on an airplane every day, it just takes too much time and money.”

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