

DIGISOL

Accelerating networking equipment design with SolidWorks solutions



DIGISOL relies on SolidWorks software to simplify the release of manufacturing drawings and greatly increase accuracy.

The DIGISOL brand—manufactured by Smartlink Network Systems Ltd., one of India's leading networking companies—provides complete converged communication systems solutions. With a product offering ranging from wireless and broadband routing to switching and IP surveillance, DIGISOL also exports VoIP products to 20 countries and provides networking services in high-bandwidth/low-latency network connectivity; servers; and consulting, integration, and custom solutions.

In 2007, DIGISOL decided to replace its existing CAD system to streamline product development and maximize design throughput. DIGISOL designers spent too much time searching for files or recreating them. In addition to shortening design time, DIGISOL wanted to reduce manufacturing errors and related product returns.

DIGISOL chose SolidWorks® 3D design software because it's easy to use, facilitates ECAD/MCAD integration, enables greater accuracy of plastic parts, and provides photorealistic rendering tools.

Since implementing SolidWorks solutions, DIGISOL has increased design throughput capacity by 70 percent, cut product development costs by 50 percent, and reduced manufacturing error rates by 95 percent. Using SolidWorks to transfer ECAD and MCAD data, SolidWorks Toolbox to facilitate design reuse, and the interoperability of SolidWorks tools to integrate 3D design data, DIGISOL is saving time and money while improving the quality of its products.

One of the benefits that DIGISOL has realized from SolidWorks that contributes to time savings is the ability to automatically update drawings when changes are made to a part design or assembly.

Using SolidWorks software, DIGISOL can release accurate design drawings to manufacturing more quickly and easily. The company's employees now understand exactly how parts are built and what changes have been made to previous models. Accuracy has dramatically improved as have communications between Design and Manufacturing with the SolidWorks eDrawings® design communication tool.

Challenge:

Streamline the design of network systems equipment while simultaneously reducing manufacturing errors.

Solution:

Implement SolidWorks integrated product development solutions to decrease design cycle time, increase productivity, and enhance communication.

Results:

- Increased design throughput capacity by 70 percent
- Cut product development costs by 50 percent
- Reduced error rates by 95 percent
- Improved design communication capabilities



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