

Technisource delivers DO-254 expertise

Saving the client 10 percent of project costs

Results at a Glance

Problem

Needed DO-254 expertise urgently to verify four FPGA designs

Solution

Provided a high-performance team including a project manager, expert FPGA verification engineers and a quality assurance engineer

Team delivered all four projects within a six-month timeframe

Results

Completed the projects on time, saving the client 10 percent of the estimated budget

Client Profile

The company's heritage spans the course of 100 years. Today, they employ approximately 18,300 people at more than 50 facilities worldwide. With \$6.2 billion in revenue for 2008, they are the world's largest supplier of technologically advanced aerospace and industrial products.

The client designs and manufactures aerospace systems for commercial, regional, corporate and military aircraft. Also, they are a major supplier for international space programs. Their industrial products serve industries ranging from hydrocarbon, chemical and food processing to construction and mining.

Business Problem

The client's hardware design group was in need of engineering support to verify four FPGA designs:

- Position sensing
- Gate drive
- Gate control
- Watchdog timer

These designs had to be completed in accordance with DO-254 Level B and its processes and standards.

Due to the aggressive program schedule and the need to achieve verification independence as required by DO-254 Level B, the client required a supplier with the right expertise and the ability to provide accurate estimates and manage to those estimates.

The Technisource Solution

Technisource worked very closely with the customer to understand the project scope of work and aggressive production schedule. In less than two weeks, Technisource came back with a solution that included a project manager and a team of engineers with FPGA verification experience.

The solution also included a quality assurance engineer to coordinate the formal review of artifacts, ensuring that the DO-254 standards and the client's processes were being followed. In order to meet the client's deadlines, Technisource delivered a solution team that could complete all four projects within a six-month timeframe.

Value Delivered

The verification of the four FPGA designs was completed on schedule and within budget, saving our client approximately 10 percent of the estimated cost upon completion. Due to this project's success, Technisource continues to provide nationwide project support for this client's DO-254 initiatives.