

Improved design productivity for derivative products through automation

Customer Case Study – Power Generation

“QuEST outplays in supporting and developing CAD automation programs. The tool developed has gone beyond expected results and QuEST team has demonstrated terrific UG knowledge and capabilities to face and solve difficult problems.”

Customer Program Manager

Customer

As a division of a global major, it is one of the world’s leading suppliers of power generation and energy delivery technologies. The company provides solutions for traditionally fueled plants as well as those driven by renewable resources. The division with around 36000 employees operates in about 100 countries, with revenue of over USD 19 billion for the year 2006.

Requirements

- Since the number of derivative products was substantial, bottlenecks were caused within the customer organization due to lack of resources needed to approve design modifications (including minor changes). Approximately 15% of customer’s time spent in reviewing these minor and medium modifications
- Manual process also caused errors, leading to delays and rework

QuEST approach

- Automate the design modification process, especially the 3D model creation and the associated drawing generation
- Standardize the design process for improved productivity

Results

- Automation helped reduce cycle time by 67%
- 60% reduction in cost of designing derivative products
- Met tight program timelines, with near 100% first pass yield
- Minimized manual intervention

Impact

- Over 0.5 \$Mn savings to date

About QuEST

QuEST is a leading provider of outsourced engineering services and manufacturing. We provide support across the entire product life cycle from design and modeling through analysis, prototyping, automation, data documentation, manufacturing support, vendor management, and in-house precision machining. Through our Global Product Development framework leveraging our local presence and global reach, we enable companies in the aerospace, civil structures, industrial products, oil & gas, power generation, and transportation markets to cut product development costs, shorten lead times, extend capacity, and maximize engineering resources. QuEST has delivery centers in India, USA, and Italy, and a footprint in UK, Germany, China and Japan. For more information, please visit www.quest-global.com.