



Value engineering for continuous improvement

Customer

A leading system / component testing equipment manufacturer, including equipments for temperature and pressure measurement.

Requirements

- Integration of product features, enhancement of feature and cost reduction by adopting the best product feature of a temperature monitor
- Design solution to be aimed at reducing cost, enhancing component life, leverage conventional method of manufacturing the component and ease of assembly

QuEST approach

- Cross functional team with designers, stress and flow analysts, manufacturing engineers
- Designers developed design alternatives based on field data
- Periodic design review with customers' senior technical teams
- Design solution developed over 3 months

Results

- 53% reduction in parts in the redesigned sub assemblies

Impact

- Component average cost reduced by 18%
- Lower inventory cost due to cost reduction
- Low cost of assembly

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.