

Value engineering for continuous improvement

Customer Case Study - Transportation

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

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