



SE Training Program

A North American Powertrain Supplier

Case
Studies

Abstract

An engine and transmission component supplier in North America was interested in increasing their technical problem solving competencies within their product manufacturing and engineering group.

Challenge

The client's objective was to develop 12 certified Statistical Engineering Apprentices employing our hands-on training class and onsite coaching support, while solving their top internal issues yielding significant project savings and cost avoidance. When utilizing our multifaceted Apprentice certification process, the proper problem solving skill development is realized by retaining knowledge, convergence strategies, and tools in the classroom; then applying the methodology on client specific projects and circumstances.

Execution

16 engineers were selected by management to attend the TPS Apprentice level training class instructed at the client requested location. When concluding our hands-on classroom application, TPS program administration assisted the candidates with project selection to assure that each opportunity would generate significant savings. The project selections were determined by identifying failure modes across multiple accounting metrics exercising Pareto Management. TPS's approach uses the clients' experiences to identify what to work on that will have the greatest impact, and what to measure to promptly solve the problem.

Result

All candidates that completed a Statistical Engineering project within the anticipated program timeframe earned our accredited SE Apprentice Certification. The overall cost of the training program was less than 8% of the total savings and cost avoidance realized from the projects selected. The TPS SE Apprentice Training Program strengthened divisional support aspects around problem solving, and was exceptionally valuable in growing competency, excitement, and recognition to its overall goal.