Six Sigma (6σ) Statistics

Those seeking to achieve Six Sigma quality are those organisations which accept that continuous improvement is critical to ongoing success and that a key part of this success will depend upon the abililty to differentiate themselves from their competitors. Six Sigma (6σ) is a disciplined data driven approach and methodology for eliminating defects in every process and importantly an approach aimed at creating significant bottom line cost benefits.

Six Sigma training is a powerful continuous improvement methodology which focuses upon the learner gaining the skills and confidence necessary to identify and reduce variation within processes, whether they be manufacturing or transactional in nature. Those organisations who today achieve 3σ Quality, no small feat in itself, still produce 67,000 defects per million opportunities. The goal of the Six Sigma approach is to measure and improve processes to a point where defects are measured at less than 3.4 defects per million opportunities.

Course Features

- A two-week course designed to give participants a thorough understanding of the Six Sigma Statistical Process tools available and the benefits that can be gained by their use.

- Through the use of interactive exercises and SPC Software this training includes modules such as; Basic Statistics and Graphing, (i.e. types of distributions and descriptive statistical tools) Measurement Systems Analysis, probability theory, confidence intervals, hypothesis testing, control charting and regression analysis.

Key Topics

- Input, Process, Output, (IPO) model and its use as an enabling tool to recognising your customer requirements.

- Recognising and understanding variation in processes, (Special v's Common Causes) and the selection of appropriate measurement tools.

- Utilisation of the DMAIC framework to integrate the tools into a logical format so as to give participants a structured approach to project work.

- The value of conducting effective Measurement System Analyses (MSA).

- Analysis of outputs from Statistical Process Control activities and the identification of opportunities for process improvement

- Six Sigma measurement project.

Who Should Attend?

Departmental Managers, Training Managers, Middle Managers, Quality Managers, Project Managers, Line Supervisors, Process Improvement Engineers, Engineers, IT Managers or any staff tasked with contributing to change programs aimed at delivering improved yield, quality, service delivery and costs.

External   10 Day

On-Site   10 Day

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