

Design for Six Sigma Greenbelt training

What is it?

A combined classroom training and personal skills coaching programme in proven Six Sigma techniques to guarantee success in key business projects.

The practice of Design for Six Sigma (DFSS) enables Design Engineers to understand their product performance mathematically. This will allow them to understand how to set tolerances to their widest and cheapest whilst meeting customer needs. DFSS will enhance current mathematical processes such as Finite Element Analysis and Computational Fluid Dynamics.

Who is it for?

Manufacturing Design Engineers

Software Required:

SPC XL, DOE Pro, Quantum XL

Programme Features:

A total of 12 days classroom with ongoing coaching support.

- 12 days split into 4 x 3 days that allows the candidates to work on projects during the 3 week break in between training sessions
- Interactive exercise based training designed to engage and motivate delegates
- Projects which deliver real business benefits must be completed during the training
- Designed to integrate with and enhance your existing Continuous Improvement programme

Programme Objectives:

- To enable delegates to develop a successful and profitable design - right first time that meets customer requirements
- Develop process experts who have the skills to solve any long term or intractable process problems
- Develop skills to allow businesses eliminate mountains of meaningless data

		Day 1	Day 2	Day 3
Week 1	am	What is Design for Six Sigma (DFSS)	The role of Statistics Graphical and Measurement Tools	Measurement System Analysis
	pm	The DFSS Process	Voice of the Customer	
Week 2	am	Systems Design	Sampling and confidence intervals	Statistical process control
	pm	The DFSS Process	Voice of the Customer	
Week 3	am	Simple Linear Regression	2 Level Analysis & Robust designs	½ Fraction Design Of Experiments
	pm	Introduction to Design of Experiments	Design of experiments	
Week 4	am	3 Level DOE and Robust Design	Sensitivity analysis	Parameter Design
	pm	Monte Carlo Simulations	Tolerance Allocation	