

## Blackbelt training

### What is it?

A total of 16 days classroom training combined with ongoing coaching support. This course will develop your key people to identify and solve key business problems that will have tangible bottom line benefits in a variety of circumstances.

### Who is it for?

Engineers, Managers, Team Leaders.

Those who need the latest skills to guarantee success in key business processes.

### Programme Features:

- 4x 4 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 candidates
- Projects which deliver real business benefits must be completed during the training
- Designed to integrate with and enhance your existing Continuous Improvement and Lean programmes
- 4 additional review days to mentor candidates to successful project completion

### Programme Objectives:

- Deliver a successful and profitable result to a business project that returns at least x10 return on training costs
- Develop process experts who have the skills to solve any long term or intractable process problems
- Develop business leaders to drive your improvement activities strategically to help your business grow

		Day 1	Day 2	Day 3	Day 4
<b>Week 1</b>	am	Getting Started	What is 6 Sigma	Statistics, Graphical & Measurement tools	Project selection Big Picture Mapping
	pm	What is 6 Sigma	Statistics, Graphical & Measurement tools	Blackbelt roles and responsibilities	Business Measures
<b>Week 2</b>	am	Noise control Measurement System	Quick Technical Problem Solving	Sampling distributions	Statistical Process control
	pm	Analysis, Mistake Proofing, FMEA, 5s	Probability Distributions	Hypothesis Testing	Simple Linear Regression
<b>Week 3</b>	am	Introduction to Design of Experiments	2 Level Analysis & Robust designs	½ Fraction Design Of Experiments	Helicopter Exercise
	pm		Design of experiments		
<b>Week 4</b>	am	3 Level DOE and	Robust Design & DOE	Multi Output Experiments	Racing Car Exercise
	pm	Response surface Methodology	Control Planning		