



SIX SIGMA MANUFACTURING GREEN BELT

10-Day Programme ~ commences July 19th 2010 ~ Leamington Spa



INTRODUCTION
<p>A Green Belt is a trained Six Sigma practitioner who will work on improvement projects, whilst also maintaining their functional role).</p> <p>In some organisations, Green Belts will deliver smaller projects &/or focus their activity on helping out on Black Belt projects.</p> <p>The Smallpeice Green Belt programme will train delegates to:</p> <ul style="list-style-type: none"> lead projects that deliver tangible organisational benefits be familiar and confident with the key tools and techniques of Sigma and understand how to use them within the organisation's day-to-day activities be effective team members on any Six Sigma or improvement project team <p>The modular training programme will guide delegates through the technical DMAIC toolkit, and also provide guidance on the project management and soft skills required to successfully deliver projects and sustain improvement changes.</p>
ACCREDITATION PROCESS
<p>This programme includes an Accreditation process that comprises:</p> <ul style="list-style-type: none"> passing a multi-choice examination submitting a project report for assessment by Smallpeice Master Black Belts
PROGRAMME FEES
<p>£3,250 per delegate, includes:</p> <ul style="list-style-type: none"> All materials, plus lunches & refreshments Accreditation process

PROGRAMME CONTENT				
BLOCK 1				
DEFINE		MEASURE	ANALYSE	
July 19	July 20	July 21	July 22	July 23
<p>Six Sigma Roadmap & Essentials</p> <ul style="list-style-type: none"> DMAIC roadmap Project selection criteria <p>The Define Phase</p> <ul style="list-style-type: none"> Identifying VOC Understanding process flow & cause & effect Project management tools 	<p>Failure Modes & Effects Analysis (FMEA)</p> <ul style="list-style-type: none"> The role of FMEA in Six Sigma Managing Process FMEA <p>Introduction to Statistical Concepts & Minitab</p> <ul style="list-style-type: none"> Descriptive & inferential statistics Basic statistics & Minitab 	<p>Data Collection Planning & Measurement Systems Analysis</p> <ul style="list-style-type: none"> Organising robust data collection MSA: working with attribute & variable data Measurement Systems Analysis using Minitab 	<p>Leading Project Teams & Teamworking</p> <ul style="list-style-type: none"> Leadership skills for Green Belts Communications & engaging support <p>Managing Process Transformation</p> <ul style="list-style-type: none"> Embedding change Influencing for change Team performance during change 	<p>Graphical Analysis Techniques</p> <ul style="list-style-type: none"> Techniques for attribute/variable data Visualising data <p>Introduction to (SPC) & Capability Analysis</p> <ul style="list-style-type: none"> Introduction to SPC Anatomy & use of control charts Capability metrics & indices
BLOCK 2				
IMPROVE				CONTROL
August 16	August 17	August 18	August 19	August 20
<p>Quality Tools</p> <ul style="list-style-type: none"> Shainin techniques Shainin's problem solving route map Shainin tools & techniques <p>Hypothesis Testing (Part 1)</p> <ul style="list-style-type: none"> Using inferential statistics Significance testing route map 	<p>Hypothesis Testing (Part 2)</p> <ul style="list-style-type: none"> Analysis of variable & attribute data <p>Regression Analysis</p> <ul style="list-style-type: none"> Introduction to regression analysis Using regression techniques Simple linear regression Basic diagnostic techniques 	<p>Design Of Experiments</p> <ul style="list-style-type: none"> Introduction to designed experiments Applications of DOE techniques Basic system optimisation 	<p>Design Of Experiments (Contd)</p> <ul style="list-style-type: none"> Screening techniques using DOE Introduction to Taguchi techniques 	<p>Solution Intro & Control</p> <ul style="list-style-type: none"> Improvement validation & cost/benefit analysis Review of control techniques The transfer phase