



SIX SIGMA MANUFACTURING GREEN BELT

10-Day Programme ~ commences June 21st 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		
DEFINE		MEASURE
Block 1: June 21	Block 1: June 22	Block 1: June 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

ANALYSE	
Block 2: July 12	Block 2: July 13
<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

IMPROVE	
Block 3: August 9	Block 3: August 10
<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

IMPROVE		CONTROL
Block 4: September 6	Block 4: September 7	Block 4: September 8
<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