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## Lean Six Sigma Training Green Belt Level (5 Days) Comprehensive Course – Adelaide CBD Training

### Objectives

- The Green Belt Course is designed to improve process performance, deliver medium to high impact projects and achieve significant cost savings.
- Lean Six Sigma Green Belt is designed to acquire the special skills and knowledge required before leading or taking part in any continuous improvement project.
- Green Belts will effectively use the Lean Six Sigma tools throughout their organization, customers and suppliers for achieving business improvement results.
- Green Belts will gain thorough understanding of all aspects of the DMAIC model in accordance with Six Sigma principles.
- Green Belts will gain knowledge of Lean enterprise concepts, are able to identify non-value-added elements & activities.

**Price: \$2,600 + GST (Includes Examination & Completion Certification)**

### Who Should Attend

Chief Executive Officers, Managing Directors, Executive Officers, General Managers, Managers, Executives, Engineers & Continuous Improvement Specialists & Others.

### Departments

Business Process Improvement, Change Management, Continuous Improvement, Project Management, Industrial Engineering, Production Management, Quality Management, Logistics, Contract Department, Innovation Department, Commercial Department, Business Development, Strategic Planning, Human Resource, Finance & Others.

## Course Content

### Session 1: Define & Measure Phase (2 Days)

- Introduction & Overview of Six Sigma
- Cost of Poor Quality (COPQ)
- Drill Down Tree & Pareto Chart
- Project Charter Development
- Voice of Customers (VOC) & Kano Model
- SIPOC & Basic Process Mapping
- Financial Analysis and Cost Savings
- Root Cause Analysis (RCA) Tools
- Data Collection Plan
- Basic Statistics and Sampling Techniques
- Capability Analysis and Sigma Value
- Detailed Process Mapping
- Fishbone Diagram
- Failure Modes and Effects Analysis (FMEA)

### Session 2: Analyze Phase (1 Day)

- Graphical & Value Analysis
- Hypothesis Testing
- Advanced Graphical Analysis
  - Sigma Value / Z-Bench, Graphical Tools for Statistics, Pareto Charts, Run Charts, Dot Plots, Scatter Plots, Matrix Plots, Histograms, Time Series Plots
- Regression Analysis
  - Correlation Analysis, Multiple Regression, Simple Linear Regression, Best Subset Regression
- Hypothesis Testing- P-Value & Statistical sample tests (overview)
  - Type 1 & Type 2 Error, T-tests: 1 Sample & 2 Sample Tests incl. ANOVA, TOEV & Proportion Tests
- Value Stream Mapping (VSM)- Current State
- Summarizing Potential Factors & Potential Solutions

