

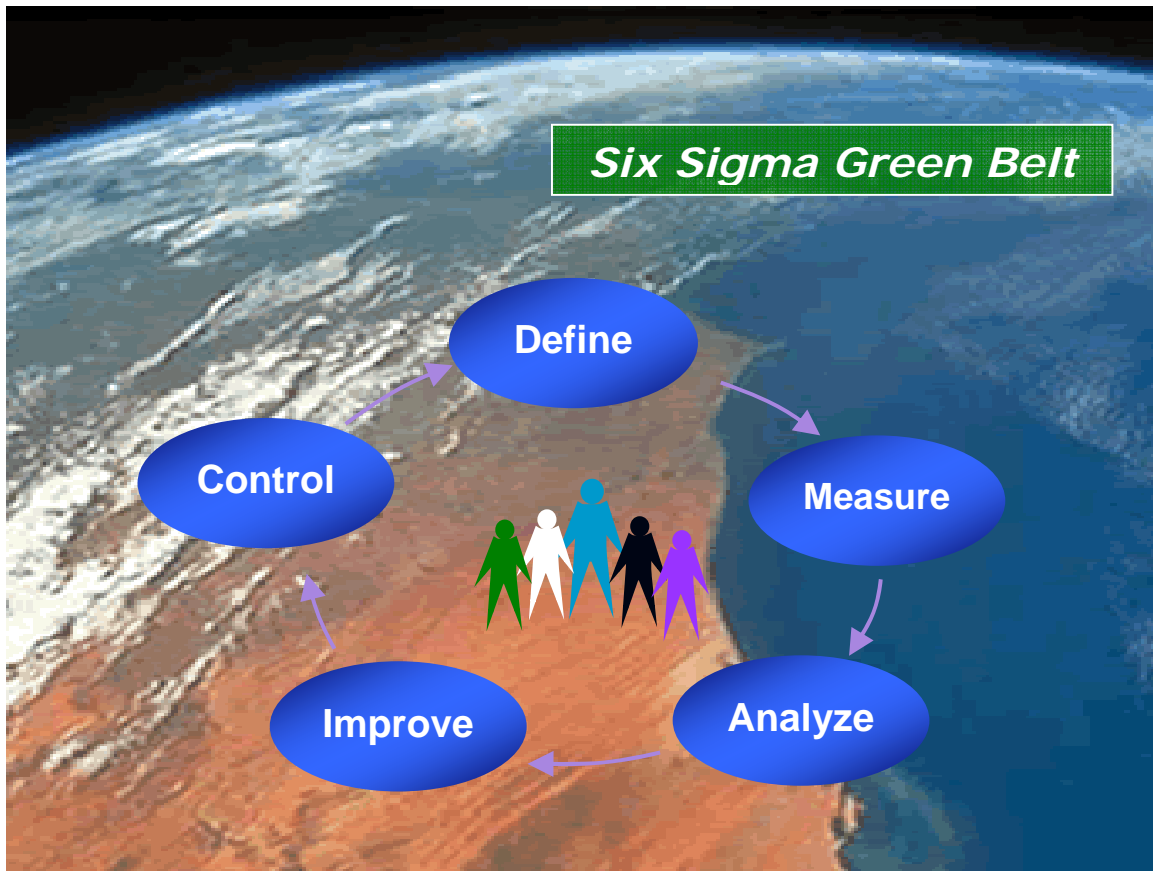


HARRINGTON MIDDLE EAST, LLC

Part of the Bin Zayed Group and the Harrington Institute

SIX SIGMA

Green Belt Six Sigma Certification (5 days)



**Become a Certified Six Sigma Green Belt (CSSGB)
Through Harrington Middle East**



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SIX SIGMA GREEN BELT METHODS & ANALYSIS

Certified Green Belt (CSSGB) in Six Sigma Quality through Harrington Middle East

Six Sigma Green Belt Training

The Green Belt Six Sigma will provide information for those needing to use the principles of Six Sigma Problem Solving in their day-to-day job function, but who do not need to be at a Black Belt level. Harrington Middle East CSSGB will provide the appropriate information for the Green Belt to handle most situations with the assistance of a Black Belt. The Green Belt Training course will cover many areas of Six Sigma Problem solving, requiring general understanding, basic understanding and in-depth understanding of the various principles of Six Sigma.

Those who attend HME's Six Sigma Green Belt Training find the effort well worth the time invested and receive Green Belt Certification from the world famous "Harrington Institute". Dr. Harrington perfected the Six Sigma approach to focus on the entire organization.

The class is limited to a maximum of sixteen students, since small classes yield the greatest results. And, after just five days you will walk away a Green Belt Certification - something that most quality professionals can only dream about. We cover the same Six Sigma Body of Knowledge that everyone else does, but then we go even farther with new organizational concepts and "hit-the-ground-running" step action plans. The difference between our five day training camp and other month-long programs is that we do not focus on thirty minute exercises after every concept - instead we focus on team based case studies that makes use of all of the concepts (much more applicable to the work environment). This approach has proven to be more effective for students while saving them an incredible amount of time and money.

Who Should Attend

Quality professionals, managers, Six Sigma professionals, Process Improvement leaders, Project Managers, Quality Engineers, and Supervisors should attend this Workshop.



Learning Outcomes

- Learn the most successful Six Sigma tools & techniques
- Review key measures of performance
- Observe and apply widely used methodologies
- Learn the new Six Sigma life cycle

Course Outline

I. Enterprise Wide Deployment

- A. What is six sigma?
- B. The evolution of Six Sigma
- C. Six Sigma roles & responsibilities
- D. Types of Belts
- E. Green Belts
- F. Introduction to DMAIC

II. Process Improvement

- A. What is process improvement?
- B. What does process improvement have to do with Six Sigma?

III. Six Sigma Basic tools

Pareto, Histograms, Flowcharting, 5S, PDCA, etc

IV. Statistical Tools for Green Belt

V. Define- Measure- Analyze – Improve – Control (DMAIC)

1. Define

- A. Define key Measurement
- B. SWOT

- C. Defining Goals
- D. Develop a project Plan (WBS)

2. Measure (Laptop is required)

- A. Measure Performance & variability
- B. Voice of the customer
- C. Voice of the process
- D. Improvement opportunities
- E. Stratification & prioritization
- F. Data collection
- G. Process walkthrough
- H. Pick low hanging fruit

3. Analyze (Laptop is required)

- A. Root Cause Analysis
- B. Develop cause & effect hypothesis
- C. Affinity Diagrams
- D. Improvement options
- F. Cost Benefit Analysis

4. Improve

- A. define improvement options
- B. conduct a cost benefit analysis
- C. Get management approach
- D. define the implementation schedule
- E. Train people effected
- F. understand organization
- G. Establish performance standards



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H. understand the role of change agent

I. Implement the change and measure its impact

5. Control (Laptop is required)

A. Create a Process control plans

B. Measure results

C. Identify other improvement opportunities

6. Project Closeout

A. Close out model

B. Post Process Audits

CERTIFICATION EXAM (Green Belt) - Open Book

- Certification Exam - 2 Hours
- Final Certification Assessment
- Graduation (at project completion)