



COMPANY AND INSTRUCTORS:

Quantum Leap Engineering Inc. (QLE), is a systems integration group specializing in training and implementation of Six Sigma; Lean; Lean-Six Sigma; Design for Six Sigma (DFSS); Kaizen Events; Value Stream Mapping; Product & Process Cost Reduction; Supply Chain Programs and 5S programs. QLE provides public workshops and on-site training and consulting. Workshops in Statistical Methods, Statistical Process Control, Measurement System Analysis, Design of Experiments and others can be adapted and designed to meet your company's specific employee training requirements.

Sean, P.E., CSSBB, has over 25 years of operational, quality and engineering experience. He specializes in training and implementing Lean-Six Sigma Methodology and using Kaizens to accelerate the implementation of Lean-Six Sigma projects. Sean has a Master's degree in Engineering, is a graduate of the Business Management Program from MIT's Sloan School, is a registered Professional Engineer (PE) and a Lean-Six Sigma Master Black Belt.

Mike, Ph.D., has over 30 years of experience in statistics. He specializes in Stats and DOE and trains companies in continuous improvement programs and quality system development/implementation.

"We learned a tremendous amount from your training. The Six Sigma projects were a great way to apply the tools and save the company money immediately-3 month payback."

Vice President of Operations

REGISTRATION

Register at www.SixSigmaPlusLean.com or Fax Form to 508-643-7337.

Name: _____ Title: _____
Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Business Phone: _____ Fax: _____
E-Mail: _____

Course cost is \$6,450



Lean - Six Sigma Black Belt 12 Day Certification Class

August 2nd-August 4th, -1st week
August 9th-August 13th, -2nd week
August 30th-Sept. 2nd, - 3rd week



Where: Southboro/Framingham
Massachusetts
(Junction of Rt. 495 & Rt. 9)

Lean + Six Sigma =Quantum Leaps in
Efficiency and Profitability

TELEPHONE: 508-954-0185



12 DAY LEAN-SIX SIGMA BLACK BELT CERTIFICATION CLASS

The goal of this 12 day class is to teach the key problem solving skills ("soft" tools and statistical tools) in Six Sigma to allow your employees to solve difficult problems back at your facility. ROI for this training is usually 6 months or less. In this 12 day course, the instructors will teach the following Six Sigma and Lean tools: (Introduction to Six Sigma, DMAIC Model, Gage R&R, Process Capability, Methods Probability and Statistical Methodology, FMEA, Cellular Design, ANOVA, basics of Design of Experiments (DOE), SPC basics, Control Charts). Minitab statistical software (30 day trial) will be used in the class. For certification, the student will be required to take a 5 hour test and complete a Black Belt project.

"Quantum Leap Engineering is very effective both at teaching the continuous improvement tools and working with the company to implement the changes. Our management demands ROI and that's what Quantum Leap Engineering delivers."

Plant Manager

LEAN SIX SIGMA BLACK BELT (LSS BB) COURSE OUTLINE

I. Define Phase: Lean-Six Sigma

- Lean-Six Sigma Introduction
- Lean-Six Sigma Concepts
- Project Selection Criteria
- DMAIC / DMADV
- Project Charter



II. Measure Phase: Lean Six Sigma

- Lean-Six Sigma Metrics
- Review Data Collecting Approach
- Probability and Statistics Methodology
- Introduction to Minitab 15
- Introduction to Process Capability (Cpk/Cp)
- MSA, Gage R&R
- (MTM)-Methods and Time Measurements training
- Process Mapping / Value Stream Mapping

III. Analyze Phase: Lean Six Sigma

- Present Multi-Vari Study Approach
- Hypotheses Testing Approach
- Understand the application of Confidence Intervals
- Analysis of Variance Methodology (ANOVA)
- Minitab Analyze Phase Applications

IV. Improve Phase: Lean Six Sigma

- Design of Experiments (DOE)
- Minitab Improve Phase Applications
- Design of Manufacturing Flow Lines
- Kaizen Technique

V. Control Phase: Lean Six Sigma

- Control Charts: Variable & Attribute
- Poka Yoke
- Roadmaps for Lean-Six Sigma
- Intro to Minitab's Quality Companion Software
- Case Studies

VI. Required Leadership Skill for Successful LSS BB Projects

- What type of leader are you?
- How to go from "Good" to "Great"
- How to lead effective teams
- How to meet management's expectations

VII. Black Belt Test

VIII. Black Belt Project



COURSE COST IS \$6,450

Call Sean Anzuoni for additional
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Please make checks payable to:
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See www.SixSigmaPlusLean.com
for other course offering.