Lean Six Sigma Green Belt

Get practitioners up to speed quickly with a powerful two-week program.

BMGI's Lean Six Sigma Green Belt program provides a workable knowledge of Lean Six Sigma. This hybrid methodology combines the infrastructure of DMAIC with the simple and effective waste-reducing tools of Lean. In addition to hands-on experience with Lean Six Sigma tools , participants learn Change Leadership and facilitation skills. Students are also required to complete a Green Belt project and a comprehensive exam prior to certification.

"Our experience with BMGI's Green Belt program has been one of extremely high quality training and trainers. Highly recommended!"

- Larry Sullivan
  Network Appliance, Inc.

Course Description

BMGI's Lean Six Sigma Green Belt training gives students the critical knowledge to lead and provide support for a variety of project types. Students receive a comprehensive education that includes:

❏ An understanding of Lean Six Sigma, the hybrid methodology that combines the best of two successful process improvement systems.

❏ How to define, scope, lead and execute DMAIC projects and Kaizen events that are suitable for a Green Belt skill level and time commitment.

❏ Hands-on experience with tools such as process mapping, project scoping, value stream mapping and analysis.

❏ Change leadership and facilitator training, giving students the ability to effectively manage, support and motivate teams.

Training includes two weeks of experiential classroom training over a two month period. Each session is separated by several weeks so students can practice applying Lean Six Sigma tools and concepts in their own environment.

Unique Course Features

BMGI's Lean Six Sigma Green Belt program offers many advantages including:

❏ Experiential learning curriculum that helps students leave the classroom with better comprehension and retention, and an enhanced ability to apply concepts and skills in the real world.

❏ Master Black Belt instructors with an average of ten years leading successful Lean and Six Sigma projects inside major corporations.

❏ Rigorous certification process that results in highly trained and valuable practitioners.

KEY LEARNING OUTCOMES

❏ Define, scope and execute Green Belt DMAIC projects and Kaizen events.

❏ Apply Lean concepts such as 5S, waste reduction and Value Stream Mapping.

❏ Apply DMAIC to solve business issues and transition projects from phase to phase.

❏ Apply statistical analysis to determine the relationship between inputs and outputs.

❏ Effectively manage team dynamics and understand how to work with leadership.

❏ Close projects and hand over control to process owners.

❏ Present projects to instructors, peers and managers.

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Course Specifics

Who Should Attend: Anyone who wishes to lead functional area projects or assist other Belts with projects. No previous Six Sigma experience required (prior statistical experience is helpful).

Course Length: 10 days (two 5-day sessions) over two months.

Course Includes:
• Certification exam

Course Requirements:
• Laptop with Microsoft Office
• Minitab software

Certification Requirements: Successful completion of course, assignments, quizzes, one four-hour exam and a process improvement project assessed and approved by a BMGI Master Consultant.

"When somebody completes BMGI's training program, and if they become BMGI certified, they've proven their worth both in the classroom and in the workplace."

    - Ron Ames
      BorgWarner

Agenda

▶ **Week One**
- ❏ Lean Six Sigma Overview
- ❏ Lean Six Sigma Roadmap and Tools
- ❏ Identify the Right Methodology
- ❏ Delivery Simulation (round 1)
- ❏ Project Definition and Scope
- ❏ Project Objectives
- ❏ Project Charter
- ❏ Defining Current State
- ❏ Process Mapping
- ❏ 8 Types of Waste
- ❏ Identification of Value
- ❏ Value Stream Mapping
- ❏ Intro to Basic Statistics
- ❏ Delivery Simulation (round 2)
- ❏ Data Collection
- ❏ Measurement System Analysis
- ❏ Capability Analysis
- ❏ Meeting Facilitation Skills
- ❏ Project Planning

▶ **Week Two**
- ❏ Introduction to DOE
- ❏ Overview of Analyze Phase
- ❏ Identify X's (Fishbone and C&E Matrix)
- ❏ Basic Process Analysis
- ❏ Graphical Data Analysis
- ❏ Statistical Data Analysis
- ❏ FMEA
- ❏ Generate and Evaluate Solutions
- ❏ Pilot and Implement Solutions
- ❏ Delivery Simulation (round 3)
- ❏ Control Plans
- ❏ Mistake Proofing
- ❏ Statistical Process Control
- ❏ Transition and Project Closure
- ❏ Change Leadership

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Unlocking Potential Delivering Results

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About BMGI?

Breakthrough Management Group International (BMGI), a global consulting firm, partners organizations to transform their business performance with a strong focus on delivering results. Today, BMGI is recognized as the world leader in harnessing the power of cutting edge techniques in the area of **Innovation, Strategy, Problem Solving** and **Business Transformation** for achieving tangible business results.

Headquartered in the US, BMGI has developed a loyal clientele across the globe. BMGI has partnered with organizations in various stages of their business life cycles and has delivered cumulative benefits of several billion dollars to its clients with an **ROI of 5:1** to **20:1**. In India, BMGI is located in Mumbai.

Why BMGI?

BMGI has provided training to thousands of professionals across diverse sectors, empowering esteemed corporations in India and around the globe. BMGI's Green Belt certification sets the standard for excellence in professional development, trusted by top-tier companies worldwide to drive innovation and operational success.

Solve Problems

Deliver Results

Be a Leader

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