

Lean Green Belt for Services

Gain Speed, Efficiency and Flexibility



Six Sigma Qualtec

The Program

Six Sigma Qualtec has developed a streamlined approach to Green Belt DMAIC and Lean training that delivers results - in a very cost-effective manner. **Lean Green Belt for Services** uses a blended learning model to maximize learning efficiency, ensuring that face-to-face instruction and mentoring are focused on knowledge transfer.

Green Belts are employees throughout the organization who conduct Six Sigma projects as part of their jobs. They have process improvement responsibility, and their energies are focused on projects that tie directly to their day-to-day work. **Lean Green Belt for Services focuses on real-time application of technical problem-solving skills that result in the resolution of a critical business issue.** With careful project selection, Green Belts can immediately address business issues, generating benefits within 4-6 months and building organizational momentum around process improvement.

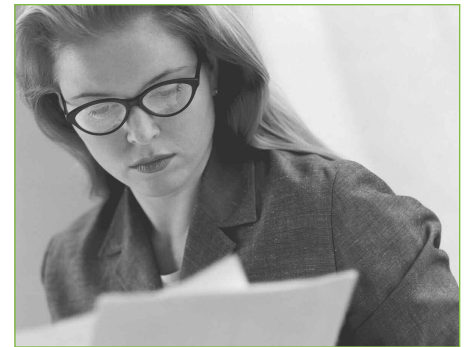
Blended Learning

Self-paced work sessions precede classroom training that is conducted in two sessions, separated by four to six weeks of on-the-job tools and skills application to projects. Designed in a modular format, this program is easily configurable to meet individual client requirements and certification standards.

Six Sigma Qualtec Deployment Managers emphasize the importance of good project selection with internal business leaders and Green Belt candidates, ensuring that projects are selected and scoped appropriately. Projects are carefully monitored to keep them on schedule, overcome roadblocks and maintain a focus on critical business issues.

Immediate Bottom Line Results

The Lean Green Belt will develop superior problem-solving skills and apply them to a real-world project. **Typically, the entire Green Belt training investment can be justified by results from the first project. The median return on recent Qualtec-trained Green Belts is \$60,000 per project.**



Lean Green Belt Candidates Will:

- Create a team charter, define a project and identify the necessary data to help determine the source of a problem
- Apply technical problem-solving skills that result in the resolution of a critical business issue to your organization
- Analyze data and determine the appropriate solution to remove or minimize a problem, and impede reoccurrences with the right controls
- Successfully complete a project during their training

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Classroom Training

Each week of classroom training is separated by 2-3 weeks of project application in your workplace. Class sizes typically range from 10 to 20 people. Extra support is also available on an as needed basis.

| WEEK 1 Agenda | | WEEK 2 Agenda | |
|---------------|--|---------------|--|
| Prep | <ul style="list-style-type: none"> • Introduction to Six Sigma • Basic Statistics • Statistical Software • Process Mapping • Project Selection • Creating a Team Charter | Prep | <ul style="list-style-type: none"> • Classes & Causes • Analysis of Distributions • Components of Variation • Graphical Data Analysis • Mistake proofing |
| Day 1 | <ul style="list-style-type: none"> • Six Sigma Deployment • Voice of the Customer • Process Map-Review & discussion • Cause & Effect Diagrams | Day 1 | <ul style="list-style-type: none"> • Project Report Outs • Inferential Stats |
| Day 2 | <ul style="list-style-type: none"> • FMEA • Six Sigma Metrics • Decision System Analysis | Day 2 | <ul style="list-style-type: none"> • Hypothesis Tests • Tests of means • Tests of Variance • Proportions Test • ANOVA |
| Day 3 | <ul style="list-style-type: none"> • Process Capability – Attribute • Process Capability – Continuous | Day 3 | <ul style="list-style-type: none"> • Regression • DOE Intro • DOE Stats • DOE Counts • Identifying Potential Solutions |
| Day 4 | <ul style="list-style-type: none"> • Seven Elements of Waste • 5S • Theory of Constraints • Continuous Flow • Time Study Analysis • Job /Load Leveling and Takt time • Deliverables | Day 4 | <ul style="list-style-type: none"> • Solution & Improvement Selection • Control Overview • Control Plans • HR • Control Response • Solution Implementation • Monitoring Plan • Control Documents • Deliverables |

Project selection support is provided by the SSQ Deployment Manager. In addition, each Green Belt candidate will be allocated 8 hours of project mentoring with an SSQ Master Black Belt that can be used as needed during a project's lifecycle.