

# Continual Improvement Champion: Six Sigma (Black Belt)

This continual improvement course, “Six Sigma”, teaches you how to use a disciplined, data-driven approach to help teams eliminate defects and variation in critical processes.

**A Continual Improvement Champion with a Six Sigma black belt helps:**

- Focus on increasing customer satisfaction
- Improve productivity and financial performance
- Engage team members in decreasing process variation, reducing defects, improving quality and safety
- Create predictable and controllable processes

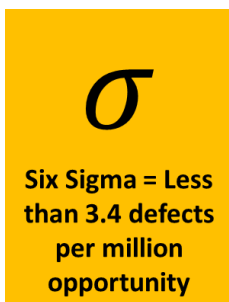
## Deliverables:

- Training in Six Sigma processes and methods including how to identify applicable projects
- Application knowledge - in the classroom through use of data sets and classroom exercises simulation by co-leading a team through an actual Six Sigma project that produce results for the organization and application knowledge
- One-on-one Coaching during classroom exercises, during and after the application
- Certification with classroom comprehension, application results, use of method, and team survey.
- And membership (one year free) into the Continual Impact Community of improvement practitioners

**Goal:** To increase your knowledge and skills of the Six Sigma DMAIC (Define, Measure, Analyze, Improve, and Control) process and methods and be able to use it to lead a team through a process variance or defect reduction project



## Knowledge and Skills Gained:



- Ability to identify opportunities for the Six Sigma improvement method
- Ability to prepare and perform Six Sigma projects – step by step
- The processes to follow, techniques and templates to use for collecting and analyzing data to measure the current process; identifying, evaluating, and installing the solutions to measure and control performance; and continually improving.

**Who Should Participate?** Continual Improvement Champions - those selected to create significant organization improvements and benefits by leading teams through eliminating specific wastes and problems with targeted improvement methods  
Requirements: Six Sigma includes deep data analysis (at a minimum, you should like it!); a fundamental understanding of basic statistics is a requirement (gained in Individual Contributor and Project Leader training, application, and certification); Minitab software is required; personal commitment outside of classroom training will be high.

# Continual Improvement Champion: Six Sigma (Black Belt)

<b>Agenda:</b> (96 training hours can be spread over more than 3 weeks)
<b>Training – Week 1 (4 days)</b>
1. The role of a Continual Improvement Champion in leading the method
2. Project selection and how to lead a team through the Six Sigma process
3. DEFINE: Define the problem, goal, and critical customer requirements; calculate Return On Investment
4. MEASURE: Establish process scope and characteristics, map the current process, and establish measurement system and data collection
5. ANALYZE: Calculate and analyze process capability
<b>Training – Week 2 (4 days)</b>
1. ANALYZE: Basic and advanced statistical data analysis and identification of root causes, Use of Minitab software
<b>Training – Week 3 (4 days)</b>
1. IMPROVE: Define, develop, test, and implement improvements
2. CONTROL: Document, train, go-live, establishing continual improvement system with (control measures and feedback mechanisms)
<b>Application with the team (following each training week)</b>
▪ One-on-one coaching to confirm/prepare for initial application
▪ On-site project, with coach as co-lead (real, immediate application and results)
<b>Certification (after completion of additional project)</b>
▪ Project documentation review and team survey & CERTIFICATION RECOGNITION!