



# GREEN BELT

## Lean Six Sigma Course

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## Lean Six Sigma Green Belt

### Program Overview

The Green Belt Certification program is designed to develop expertise with Lean Six Sigma through the direct application of tools and techniques on a strategic organizational issue. Participant teams are facilitated through process improvement by Master Black Belts during this program in which they apply knowledge gained in the Advanced Yellow Belt series and additional tools learned for their specific project. The Green Belt program is among the most successful in the nation in terms of satisfaction, certification rate, and Return on Investment.

### Summary of Course Curriculum

**The following concepts and skills will be discussed and applied in this program:**

- How to determine the need for improvement both in process performance and financial impact to the organization.
- How to analyze a process, identify waste, and collect appropriate data for selecting the most significant problem.
- How to determine and verify root causes and select effective and feasible countermeasures for eliminating root causes.
- How to implement countermeasures and quantify the impact of a project, both in performance, financial impact and Return on Investment.
- How to effectively communicate the problem and solution in a logical, factual way.

### Pre-requisite

Successful completion of the Advanced Yellow Belt series is pre-requisite for this course.

### Who Should Attend

This program will benefit operations, project managers, quality personnel and even those that have obtained prior Yellow, Green or Black Belt certification due to its overall value, oil and gas customization and accreditation. This program has been designed for the participants to work in teams, so it is highly desirable for Organizations to enroll 2 or more individuals to ensure a successful project that meets the minimum ROI.



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### Brief Agenda for Each Classroom Session

#### 1. SESSION 1

##### DEFINE STEP:

The participants receive a high-level description of the overall management system, as well as the objectives and the principles that support it.

Participants will learn the flow of the 5 step DMAIC methodology and the most important tools used for problem solving and improving processes.

In project teams they will also understand their assigned projects, why they are important and how to present them. Teams will finish this initial session with an outline of the Define Step and an action plan to finish the step. This will ensure that they accomplish all the requirements of the Define step and are able to present their progress to their sponsor(s).

##### MEASURE STEP:

The teams move through the stratification of data collected. They will also learn to logically categorize various questions and perspectives to arrive at data displays that point towards the most significant segments of their problem.

The purpose of this step is to develop the ability to present findings within the context of the DMAIC story and ultimately develop a problem statement for focused, high impact analysis.

Teams will finish this session with an outline of the Measure Step, an action plan to finish the step, as well as prepare them to present their progress to their sponsor(s).

#### 2. SESSION 2

##### ANALYZE:

The teams are prepared for in-depth analysis of the problem, leading to identification and verification of root cause(s).

Teams will learn how to perform qualitative / lean analysis of their processes and identify opportunities for improvement.

Teams will finish this session with an outline of the Analyze Step, an action plan to finish the step, as well as prepare them to present their progress to their sponsor(s).

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### IMPROVE:

The teams understand how to identify and select appropriate cost-effective approaches to solve the problem. Teams are shown how to provide linkage from the early stages of the project to the plans for solving the problem.

Participants will learn the importance of the “leave behind” system to maintain the gains and ensure integration of the new approaches into the existing systems.

Emphasizes of the need for simple systems and appropriate training and education for long term effectiveness is reinforced.

### 3. COACHING DAY (OPTIONAL BUT STRONGLY RECOMMENDED)

In between Sessions 2 and Session 3 you will have the opportunity to meet (either face-to-face or via conference or video call) with an Master Black Belt for about 90 minutes to review the status of your project and receive specific feedback on how to improve and present it during Session 3. Green Belt candidates consider this event one of the most valuable aspects of the Green Belt Program.

### 4. SESSION 3

#### CONTROL:

Teams will complete their final dry – run of their presentation before completing assignments. Immediately following Team presentations, classroom instruction resumes with an outline of the Control Step.

Participants will understand how to streamline their project, identify areas of improvement to their

Story with their facilitator, and develop an action plan to complete their project, as well as prepare the team to present their progress to their sponsor(s).

#### EXAM:

Each Green Belt candidate will have to sit for a closed book proctored exam. This will be followed by the team project (Practical Application) that must return a minimum ROI of 1 million to the organization. The team will present out to the PNG Executive Review Committee for determination of Certification status.

Teams then will then have 30 days to complete their project through the Improve Step and make their project presentation to their sponsor and management team back at their work location.



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### Course Materials & Credentials



1. Participants in attendance of this course will receive the Lean Six Sigma Green Belt Participant Workbook.
2. Upon completion, you will receive your professional leather bound credentials issued with a unique registration number and be listed in the Industry Registered Professional Network™
3. Participants that successfully complete the course requirements, will be awarded 7.6 CEUs
4. This program is recognized in all six regions and the CEUs are accepted by universities who recognize the IACET accreditation.

### Unique Identification & Traceability Number



Upon successful completion, participants will receive a unique Registered Professional Number (RPN). The RPN is used for identification and traceability which is audited by accreditation bodies to ensure that each person taking the program has successfully completed all of the course requirements and has been assessed during the practical application by competent and qualified instructors.

### Our Commitment

Wollam Groups is an IACET Accreditation Provider (AP) for industry training. In 2016, Wollam Groups was selected by the IACET Award Committee as the winner of the "Exemplar Training Organization Award, IACET's most prestigious award. This award honors exemplary, results-oriented programs that have demonstrated significant and relevant impact on the populations and industries served. Wollam Groups' decision to become accredited to IACET was to ensure participants receive the highest level of training available in the industry.



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## About the Founder & CEO

### Bryan Wollam



Bryan Wollam is one of the world's most respected professional in the Petroleum & Natural Gas Industry, known for his unmatched track record of success, desire for winning, partnerships, value propositions for clients, passion to improve the industry and drive to make the world a better place. He is a member of the API Committees that develop the API Specifications and an accomplished professional with broad experience and recognition in operational excellence, quality, reliability, and HSE in multiple industries. He has expertise in leading organizational transformation resulting in profitability and shareholder value. He is also known as a distinguished speaker, effective communicator and trusted advisor to all segments of the Petroleum & Natural Gas Industry.

In his 22+ years in the industry, Bryan served in leadership positions for Fortune 500 companies and as CEO for Wollam Petroleum Advisory Group (WPAG), Wollam Groups and Wollam Auditing Services working with more than a hundred of the world's most successful oil and gas companies. His management techniques, professional training programs and his ability to help clients transform their quality, reliability and safety performance is unmatched. The achievements are considered epic, and as a result, state-owned, international, national oil companies and service supply organizations utilize him for training and advisory services. He sits on boards and committees for multiple trade organization to include API, IACET, and IADC and collaborates with multiple government entities for the applications of different specifications.

Bryan has been defined by his zealous love of teaching and commitment to building leaders that transform organizations. WPAG has created the industry's most coveted training programs, and he regularly teaches these programs. Wollam Groups offers executive education and management training resulting in professional certifications and CEUs through IACET. Bryan is intimately involved in every aspect of the business. As CEO, he interfaces directly with industry leaders and gets to know each client.



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## Instructor Biography

**Robert H. Seemer | COO, Electronic Training Solutions, Inc. (ets)**



**Bob Seemer** leads **ets** with more than 40 years' experience as a leader, engineer and innovator of approaches that drive organizational excellence.

Areas of focus include strategic planning, process re-engineering, and systems design. Clients include organizations in the private, public and not-for-profit sectors. He has facilitated the strategic planning process and process improvement initiatives for many large companies including AT&T, Chase, and Merrill Lynch, and numerous government state agencies and not-for-profits. Some private sector client companies have achieved profitability turnarounds and others have been recognized for performance excellence by the Malcolm Baldrige National Quality Award, the Japanese Deming Prize, and

numerous state performance excellence awards.

He has published and spoken extensively for business groups and professional organizations on such topics as organizational performance improvement, industrial engineering concepts, operations and maintenance management, and digital approaches to learning.

A high school All-State and All-America in basketball, Bob graduated from Cocoa High School (Florida), received his BS from the Georgia Institute of Technology and MBA from the Florida Institute of Technology.



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Wollam Groups has a world partnership and access to modern training facilities and offices around the globe. Our corporate headquarters is located in Houston, Texas, United States in the San Felipe Plaza, conveniently located west of the Uptown Houston district, a satellite business district and center for premier shopping, hotels, and fine dining. Please contact us at [info@wollamgroups.com](mailto:info@wollamgroups.com) for information on hotels and transportation.



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