



# Lean Six Sigma Yellow Belt

For

Petroleum & Natural Gas Industry



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# Lean Six Sigma Yellow Belt

## Program Overview

### World-leading business improvement concepts and strategies

Lean and Six Sigma (LSS) are the two pre-eminent business excellence and improvement methodologies currently used by leading organizations across a broad range of industries.

Six Sigma is the comprehensive business improvement strategy made famous by organizations such as Motorola and General Electric. It seeks to improve the quality of process outputs by identifying and removing the causes of errors and variation in work processes.

Lean is the embodiment of Toyota's Production System principles. It is an improvement practice that considers the expenditure of resources for any goal other than the creation of value for the end customer to be wasteful and thus a target for elimination.

### Why should you attend to the LSS Course?

Because LSS is a strategy/business initiative to maximize the quality of processes, products and services of a company by using quantitative analysis and statistical tools in decision making, generating superior returns for investments necessary to implement it. In addition to enabling organizations to increase their profits by optimizing operations, improving quality and eliminating defects and mainly by reducing business risk.

## Summary of Course Curriculum

- Function as a 'tools application' member of a lean six sigma project team.
- Lead and execute process-level improvement projects.
- Collect process data and develop process maps.
- Develop statistical hypothesis using simple statistical tools.
- Design simple experiments and/or implementation plans that help validate improvement options.
- Apply problem solving and quantifiable tools to an improvement project.
- Eliminate waste and defects by applying lean and six sigma.
- Collect, analyze, and quantify data that enable process improvements.
- Learn how to execute the six sigma methodology (DMAIC cycle).
- Work with process owners to sustain process improvements gains.





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## Lean Six Sigma Yellow Belt

This (Yellow Belt) is the introductory level for Six Sigma, so, no prior knowledge is required. The participant will learn terminology and understand the basics of Lean Six Sigma and apply basic methodology and quantifiable tools to an improvement project

This course highlights the benefits of Lean Six Sigma in the Oil & Gas industry, focused on critical examples and unique industry problems. Designed for professionals with no prior experience with Lean Six Sigma methodologies, this 24 hour course helps develop skills and strategies for successful Lean Six Sigma implementation.

## Lean Six Sigma (LSS)



LSS seeks not only to reduce costs. The basic methodology precept is meeting customer needs through the defect reduction in process, product or service. Indeed, this defects reduction is accompanied by the reduction of the cost of non-quality, usually associated with rework, and increased productivity. LSS brings the concept of the DMAIC cycle (Define - Measure - Analyze - Improve - Control), which makes the approach to the problems based on fully structured projects and on facts and data. However, it is a methodology that requires a serious course and applied participants, who will have their learning capabilities usually tested in challenging projects in the professional

environment. The financial benefits of LSS projects will be tracked and, in control phase, it will be guaranteed that the benefits achieved will be sustained. There is no return to the previous condition when the project is closed.



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## Who Should Attend

Operators, Service Providers, industry suppliers and consultants who support the Petroleum, Oil and Gas Industry.

This course is utilized by the international, national and state owned oil companies for both training and to obtain a baseline competency assessment by an accredited provider.

## Course Materials & Credentials



1. Participants in attendance of this course will receive the Lean Six Sigma Yellow Belt Participant Workbook.
2. Upon completion, you will receive your professional leather bound credentials issued by WPAG and Target Consulting 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 2.4 CEUs



## Registered Professional Number

Upon successful completion, you will receive a unique Registered Professional Number and be enrolled in the Registered Professional Network™ (RPN). This network includes unique registration numbers for each professional designation received through WPAG and allows the industry to locate Registered Professionals for their areas of expertise.



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## Instructor Biography

### Bryan Wollam



Bryan Wollam is the founder and CEO of WPAG. He has three college degrees and holds industry recognized certifications in the areas of business management, quality, occupational health and safety, environmental, reliability and risk management. His education and credentials are backed by more than 20 years of industry and management experience. He has served in leadership positions for Halliburton and Weatherford and has worked closely with the International, National and State Owned Oil companies, service providers, API, COS and BESSE over his career. He is an industry expert sought out by operators and service providers around the world to help with solutions to some of the industry's toughest challenges.

### Marcelo Grimaldi



Marcelo Grimaldi is a professional with over 25 years of career, with experience in Quality, Process Management and Six Sigma improvement projects. Degree in Mechanical Engineering and Post-Graduate in Economic Engineering and Industrial Administration, CQI Certificate in Quality (London) and Six Sigma Black Belt from General Electric.





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## Contact Us

WPAG has a world partnership and access to modern training facilities and offices in Singapore, Brazil, Malaysia, Azerbaijan and Australia and many more. 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.



**Corporate Office**

### **Wollam Petroleum Advisory Group (WPAG), LLC**

5847 San Felipe St., Suite 1700

Houston, TX 77057

Tel: (1) 713-821-1741

Visit us at [www.wollampag.com](http://www.wollampag.com)



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5847 San Felipe St., Suite 1700  
Houston, TX 77057

Tel: (1) 281-758-5518

Visit us on the web: [www.wollampag.com](http://www.wollampag.com)