

## Program Description



### Introduction

The Lean Six Sigma Action Belt role is an entry-level position within the organizational hierarchy of XBelts. The role of an Action Belt is highly focused on solving localized problems, Just-Do-It types of problems and to support higher level belts at the implementation and control levels.

This educational program has been specifically designed to deliver and reinforce the essential concepts of Lean Six Sigma. Participant's will explore lean practices and graphically-based quality improvement tools, such as histograms, line graphs, scatter plots, and Pareto charts just to mention a few. Each participant is educated on how to use the powerful Lean Six Sigma process for realizing business performance breakthrough at the —Analyze, Improve, and Control, or simply AIC level.

This Action Belt training program is specifically configured to bridge the knowledge gap that often exists between an executive-level Lean Six Sigma overview and the applied skill set of an X-Belt practitioner. This means that the successful participant will be better enabled to project the power of Lean Six Sigma. This translates to the consciousness of business imperatives, but with greater effectiveness and efficiency. Total instructional time for this program is approximately 11 hours. The program topics are defined below:

### Foundational Vision

This topic provides the participant a general overview of the essential concepts that underpins the practice of Lean Six Sigma. Through dynamic lectures, the participant will better understand the nature, purpose and drivers of Lean Six Sigma, as well as the core beliefs that form its foundation.

### Breakthrough Vision

This topic provides the participant a general overview of the essential concepts that underpins the practice of Lean Six Sigma. Through dynamic lectures, the participant will better understand the nature, purpose and drivers of Lean Six Sigma, as well as the core beliefs that form its foundation.

This topic is often used as the "all hands" training for the general population of any enterprise that is pursuing Lean Six Sigma. In doing so, the organization ensures that all of its employees understand why Lean Six Sigma is being utilized and how it will benefit the organization.

Reinforcement of major concepts, techniques, and application is realized through exercises, scenarios, and case studies. By way of this training, the participant will gain tremendous insight into the logic and reasoning which underlies Lean Six Sigma.

### Business Principles

This topic provides the participant with a clear understanding of the term "quality" and how this idea interacts with the concept of "value entitlement." Through dynamic lectures, the participant will gain a deep appreciation for the global use of performance metrics and how such measures of success can be effectively cascaded throughout an organization.

In addition, the participant will discover the direct relationship between an organization's operating costs and the quality of its products and services. To this end, the participant will gain valuable insights into the three generations of Lean Six Sigma, as well as the primary success factors related to its deployment and implementation.

This topic will be of particular interest to business executives and managers, especially the discussions that highlight how certain business principles support the successful practice of Lean Six Sigma. Reinforcement of major concepts, techniques, and application is realized through exercises, scenarios, and case studies.

By way of this training, the participant will gain tremendous insights into how any kind of enterprise can realize breakthrough performance and drive a culture of success.

### **Process Management**

This topic provides the participant with a clear understanding of what it takes to create and sustain world-class processes. Through dynamic lectures, the participant will learn how to effectively assess the performance of any type of process and the vital role of measurement.

In addition, the participant will learn how to create a performance baseline and how to use such benchmarks to assess business performance. Furthermore, the participant will discover how to define and assess “defect opportunities,” as well as how this concept is used to establish a Lean Six Sigma performance model.

This topic will be of particular interest to process owners and improvement specialists, especially those that need to understand how to enhance the performance of an industrial or commercial process.

Reinforcement of major concepts, techniques, and application is realized through exercises, scenarios, and case studies. By way of this training, the participant will gain tremendous insights into how any kind of process can be effectively measured and improved in terms of capability, capacity and complexity.

### **Problem Solving**

This topic will equip the participant with the knowledge to solve localized problems, Just-Do-It types of problems and to support higher level belts at the implementation and control levels.

Reinforcement of major concepts, techniques, and application is realized through exercises, scenarios, and case studies. By way of this training, the participant will gain tremendous insight into the logic and reasoning which underlies Lean Six Sigma and the process of breakthrough improvement.

### **Describing the Process**

This topic will provide each participant with the application-based knowledge and tools that are

required to understand processes and their relationships.

This powerful knowledge platform is framed by the time-tested Lean Six Sigma AIC problem solving strategy, but focuses its energy on how to identify, extend and exploit opportunities to create value for the benefit of the customer and provider, concurrently.

Reinforcement of major concepts, techniques, and application is achieved through exercises, scenarios, and case studies. By way of this training, the participant will gain tremendous insight into the logic and reasoning which underlies Lean Six Sigma and the process of breakthrough improvement.

### **Lean Practices**

This topic provides the participant with the time-proven knowledge, methods and tools associated with the best-practices of a modern lean enterprise. Specifically, the participant will learn how to solve on-going operational problems and discover how to enhance or otherwise streamline daily operations.

Of course, this goal is accomplished by the application of lean manufacturing principles such as mistake-proofing, pull systems and basic shop-floor improvement practices, just to mention a few. Of interest, the participant will learn how to apply such tools to a wide range of commercial as well as industrial applications.

Naturally, the lean tools and methods presented in this course can serve as an excellent entry point for initiating the deployment of Lean Six Sigma. In other words, the practices associated with a lean production system can be used to solve many line-of-sight problems and remove the low hanging fruit; thereby, clearing a path for the full-scale installation and utilization of Lean Six Sigma practices

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