

The Six Sigma Journey: From Art to Science

THIS BOOK EXCERPT
EXPLAINS HOW A
FICTIONAL COMPANY
SUCCESSFULLY
USED DOE TESTING.

*By Larry
Walters, R2
Solutions Inc.*



ADAPTED WITH PERMISSION FROM *THE SIX SIGMA JOURNEY: FROM ART TO SCIENCE* BY LARRY WALTERS. © 2000, QUALITY PRESS, AMERICAN SOCIETY FOR QUALITY.

Often the most difficult part of the Six Sigma process is getting everyone to understand and completely support the initiative. This is the focus of *The Six Sigma Journey: From Art to Science*, a novel by Larry Walters. The book describes the journey of the main character, Barry, as he implements Six Sigma at HPZ Chemicals, a fictional company that manufactures catalysts, dyes and pigments. It chronicles the deployment of Six Sigma along with the real events that happen at companies trying to implement Six Sigma in a difficult environment. The story touches upon the people who oppose it, what is needed to make Six Sigma work and the many successes and failures along the way.

As this excerpt begins, HPZ Chemicals has started on Black Belt (BB) training and is in the "improve" phase (from the normal Six Sigma DMAIC model) of its first projects.

Black Belt Training: Improve

I wasn't able to spend a lot of time in the training classes during this module, which really upset me. Dave and Roman had whet my appetite for design of experiments (DOE) during the executive training.

Paula was a little upset her project did not lend itself to DOE, so she helped Tim with his. This way she was able to fulfill her qualifications for certification and get some practical experience.

Dave was also teaching this module, and he explained the real goal of a BB project was to solve the problem, not try and use all the tools. If the project could be solved in the define and measurement stages, great. Solve it, and start working on something else. The only demand was for all the tools to be used during training so the BBs had some practical experience.

There were quite a few experiments that had to be run in the next three weeks. Dave said it was acceptable to put some off until the fourth module if necessary. He understood we still had a plant to run.

The problem was the plant had a way of doing things and did not want to take a chance on doing something that would slow it down. But if the production managers had their way, we would never run the tests. I was late for a meeting in production to discuss running Tim's DOE on the number one rotary kiln.

Convincing Lou

"Come on in, Barry. Everyone is here now," said Tim.

"Tim, why don't you explain what you want to do for all of us," said Mark, who was starting to act like a Six Sigma convert.

"Everyone knows my project is to better control surface area. This affects all

Six Sigma Journey From Art To Science

Fabricio Sales Silva



Six Sigma Journey From Art To Science:

This book delves into Six Sigma Journey From Art To Science. Six Sigma Journey From Art To Science is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Six Sigma Journey From Art To Science, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Six Sigma Journey From Art To Science
 - Chapter 2: Essential Elements of Six Sigma Journey From Art To Science
 - Chapter 3: Six Sigma Journey From Art To Science in Everyday Life
 - Chapter 4: Six Sigma Journey From Art To Science in Specific Contexts
 - Chapter 5: Conclusion
2. In chapter 1, this book will provide an overview of Six Sigma Journey From Art To Science. The first chapter will explore what Six Sigma Journey From Art To Science is, why Six Sigma Journey From Art To Science is vital, and how to effectively learn about Six Sigma Journey From Art To Science.
3. In chapter 2, the author will delve into the foundational concepts of Six Sigma Journey From Art To Science. This chapter will elucidate the essential principles that need to be understood to grasp Six Sigma Journey From Art To Science in its entirety.
4. In chapter 3, this book will examine the practical applications of Six Sigma Journey From Art To Science in daily life. This chapter will showcase real-world examples of how Six Sigma Journey From Art To Science can be effectively utilized in everyday scenarios.
5. In chapter 4, the author will scrutinize the relevance of Six Sigma Journey From Art To Science in specific contexts. The fourth chapter will explore how Six Sigma Journey From Art To Science is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Six Sigma Journey From Art To Science. The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Six Sigma Journey From Art To Science.

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