

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
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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

David H. Treichler



Six Sigma Journey From Art To Science:

Eventually, you will unconditionally discover a supplementary experience and expertise by spending more cash. yet when? realize you understand that you require to get those all needs gone having significantly cash? Why dont you attempt to get something basic in the beginning? Thats something that will guide you to comprehend even more approximately the globe, experience, some places, bearing in mind history, amusement, and a lot more?

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