



Case Studies in Maintenance and Reliability: A Wealth of Best Practices

By V. Narayan, J.W. Wardhaugh, M.C. Das



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In this book the authors describe 42 on-the-job events or situations - case studies, if you will - taken from their own work experience and from which they gained invaluable insights into a wealth of best practices in maintenance and reliability. In many instances they did not know the underlying academic theories that would have applied, and found solutions often more by intuition and teamwork. The case studies are real stories, told by real people, who were physically and emotionally involved. The events are captured warts and all, and the authors have resisted the temptation to offer a set of recipes for all occasions. Rather, the approach is all about "how we did it" rather than "how you must do it". Stories are a great way to communicate, and that is the medium the authors have adopted, packing their book with common sense practical ideas on how to improve maintenance and reliability performance. Operations and maintenance technicians, supervisors, managers, planners, schedulers, and support engineering teams, as well as designers and project managers will find these stories dynamic illustrations of real-life situations that they will recognize in their own work. Students, meanwhile, will find the true stories in this book a refreshing change from their usual steady diet of books emphasizing theory.

FEATURES

Provides a logical organization with chapters grouped into six broad headings, enabling readers to choose the order in which they wish to absorb the lessons, which are based on the Shewhart-Deming Continuous Improvement cycle.

In addition to the Plan-Schedule-Execute-Analyze elements, the authors have added Leadership and People to complete the suite.

Each chapter has broadly similar sections, beginning with a Background to the events, going on to describe the key elements of the approach, and ending with Lessons and Principles.

Underlying theories, philosophies or even detailed descriptions of methods are stripped out of the main chapters and described in Appendices, so that only those readers who wish to delve into details may do so.

Contains a Book Summary which draws all the principles and lessons together, and gives references to the relevant chapters.

Copiously illustrated, with charts, diagrams and tables which relate closely to the text.

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Editorial Review

Review

This book is an essential tool to help pass on the wealth of knowledge of best practices to future generations of maintenance leaders. My only hope is that lots of professionals read it so that many companies and economies reap the benefits of these solid practices. --Joel Leonard, "The Maintenance Evangelist", MPACT Learning Center

The book represents a great wealth of practical experience on many topics ... an essential primer on maintenance topics ... from a practical point of view. I will make this required reading by the SAMI maintenance consultants. There is certainly food for thought even for the most experienced manager. --S. Bradley Peterson, President, Strategic Asset Management, Inc.

This is a must read for people who have to struggle with the day-to-day problems of plant life. If you have a subordinate field position in a manufacturing facility, this book will reveal why bosses do the things they do. If you are in a supervisory or management role, this book will help you steer your career. --Charles J. Latino, CEO and President, Reliability Center, Inc.

An excellent book, extremely well structured and easy to read full of experiences, case studies and ideas that can help you to improve plant and equipment performance.

I have bought many books on maintenance and reliability and this is up with the best, not like many I have bought which have had little added value. --D. M. Thompson

I have written numerous maintenance and reliability books myself and when I first took a quick glance at the book I did not see the real value in it until I sat down and read it. What these authors did was take their real world experience and join knowledge to make a great book. If you are experiencing anxiety in your plant or just curious how to make your operation run more efficiently I highly recommend this book. Good job guys. This is the first book I have ever read like this. I love it.

Ricky Smith, CMRP

I read the book from the perspective of a 'non-technical' reader and think that it is a fund of valuable knowledge and experience.

I find it very well organized. The summary at the end, the background, lessons and principles in each chapter made it very easy for me to follow and flow with the content. I particularly liked the 'marriage' of time-tested management principles and technical strategies with a people-oriented approach. The fact that several 'people-failures' are really 'process-failures' rings true. I like the emphasis on communication, sharing, and alignment of the vision with and through the ranks of all involved personnel. Kudos to the authors for sharing their life long experience through this book... --Ayesha Chopra, Trainer, Seminar Leader and Co-author "Secretary's Factomatic"

Users Review

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Jean Willis:

As people who live in often the modest era should be up-date about what going on or info even knowledge to make these keep up with the era which can be always change and make progress. Some of you maybe will probably update themselves by looking at books. It is a good choice for you but the problems coming to you actually is you don't know what type you should start with. This Case Studies in Maintenance and Reliability: A Wealth of Best Practices is our recommendation to help you keep up with the world. Why, since this book serves what you want and want in this era.

Jody Tolar:

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