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Lean Six Sigma is a proven worldwide approach for process improvement that consists of tools from two very different methodologies, Lean and Six Sigma. Developed over decades by Toyota, Lean contains a variety of tools tailored to reduce

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waste in processes, whereas Six Sigma is a result of Motorola seeking to reduce variation in processes that curb production. The combined approaches have helped companies save billions of dollars while also boosting revenue. In this guide to Lean Six Sigma success, the author explains the methodology using complete and detailed project documentation. The main case study describes a finance company that faces client attrition and a decrease in revenue and market share due to process problems.

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Throughout the book, the project work and the application of typical Lean Six Sigma tools are explained using the case as a guide. By using a Lean Six Sigma approach, the company ultimately increased client satisfaction and loyalty and achieved a lasting improvement in business results. Combine the power of two rigorous management practices and boost your bottom line with the lessons in Lean Six Sigma Nuggets. Methods of improving business processes are developed on an ongoing basis, but few are

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successful. Common problems encountered include the failure of processes to meet expectations and the inability to sustain or replicate these business processes.

Involvement of personnel at grassroots level, as well as at management level, is essential in implementing effective process improvement methods. The authors present a step-by-step approach to the issue of effective process improvement, offering more than 200 tips and guidelines as well as addressing specific common problems and issues. The strategy

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presented is to take a broad and intuitive, but learned view of process improvement methods, and the tactics expounded are based on guidelines, common faults, and lessons learned. The authors disparage process improvement operations that depend on jargon and the support of just upper management, and promote grassroots involvement and self-sustaining measurement, making this an essential guide for all with involvement in process improvement.

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Streamline data analysis with an intuitive, visual Six Sigma strategy Visual Six Sigma provides the statistical techniques that help you get more information from your data. A unique emphasis on the visual allows you to take a more active role in data-driven decision making, so you can leverage your contextual knowledge to pose relevant questions and make more sound decisions. You'll learn dynamic visualization and exploratory data analysis techniques that help you identify occurrences and sources of

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variation, and the strategies and processes that make Six Sigma work for your organization. The Six Sigma strategy helps you identify and remove causes of defects and errors in manufacturing and business processes; the more pragmatic Visual approach opens the strategy beyond the realms of statisticians to provide value to all business leaders amid the growing need for more accessible quality management tools. See where, why, and how your data varies Find clues to underlying behavior in your

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data Identify key models and drivers Build your own Six-Sigma experience Whether your work involves a Six Sigma improvement project, a design project, a data-mining inquiry, or a scientific study, this practical breakthrough guide equips you with the skills and understanding to get more from your data. With intuitive, easy-to-use tools and clear explanations, Visual Six Sigma is a roadmap to putting this strategy to work for your company.

The Six Sigma concept has enjoyed

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triumphant success throughout the business world for two decades, contributing to significant net income improvement for many companies. This successful concept has been supplemented with the tools of Lean Management, a set of strategies for improving product quality and delivery performance and reducing cost. Six Sigma+Lean links the tried-and-tested tools of both programs in the proven DMAIC process model. The chronology matches that of the approach taken in a Six Sigma+Lean

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improvement project.

Six Sigma for Business Excellence: Approach, Tools, and Applications, based on the author's first-hand experience in quality engineering, provides a comprehensive coverage of the Six Sigma methodology. This book provides the complete study material for students taking the certified Six Sigma Black Belt and Green Belt examinations conducted internationally by the American Society for Quality (ASQ). At the same time, it adequately fills the need of management professionals with numerous

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application examples and case studies providing an insight into the practical aspect of implementing Six Sigma tools. The book begins with providing an overview of the evolution of Six Sigma, explains the basic concepts and then takes the readers step by step through the process. The focus is more on enabling the implementation of the Six Sigma tools by providing illustrations, tables, application examples, and templates as well as Minitab and Excel data files for project work and exercises in the soft form on a CD

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accompanying the book. The templates carried in the book include the Sigma calculator, Six Sigma project review checklist, process mapping, confidence intervals, hypothesis tests, project charter, and measurement systems analysis (Gauge R & R Study). The CD also contains a 30-day trial version of the Minitab and SigmaXL software programs.

Businesses utilize various managerial processes focused on reducing waste, errors, and variability in products to maintain and

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improve business quality. By keeping a clean workspace and organized workforce, business processes aim for an efficient, continuous flow of production while still supporting iterative improvements in quality and output. Lean Six Sigma for Optimal System Performance in Manufacturing and Service Organizations: Emerging Research and Opportunities provides upcoming research on the strategies to improve processes in business while using Lean Six Sigma principals and applications. Featuring

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coverage on a broad range of topics, such as direct model technology, performance rework, and quality management methods, this book is geared towards professionals, academicians, students, and researchers interested in detailed research on recent advancements in the management of risk in all fields.

This chapter comes from Lean Six Sigma for Service, which provides a service-based approach to Six Sigma, explaining how companies of all types can cost-effectively

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translate manufacturing-oriented Lean Six Sigma tools into the service delivery process. Six Sigma expert Michael George reveals how easy it is to apply relatively simple statistical and Lean tools that will reduce costs and achieve greater speed in service processes. Here, for the first time, you'll read about how classic Lean tools such as "Pull systems" and "setup reduction" are being used in procurement, call centers, surgical suites, government offices, R&D, and much more. Inleiding tot een methode voor het

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stroomlijnen van bedrijfsprocessen, het verbeteren van efficiency en effectiviteit en het vergroten van de klanttevredenheid.

[*Managing Six Sigma*](#)

[*Making the Case for Integration*](#)

[*Six Sigma For Dummies*](#)

[*Leading processes to lead companies: Lean Six Sigma*](#)

[*Lean Six Sigma for Optimal System*](#)

[*Performance in Manufacturing and Service Organizations: Emerging Research and Opportunities*](#)

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[Lean Six Sigma for Service, Chapter 10 - Service Process Challenges](#)

[A Practical Guide to Understanding, Assessing, and Implementing the Strategy That Yields Bottom-Line Success](#)

[Lean Six Sigma for Hospitals: Simple Steps to Fast, Affordable, and Flawless Healthcare](#)

[Problem Solving and Basic Mathematics, Volume II](#)

[Driving Strategy to Execution Using Lean Six Sigma](#)

[An Introduction to Six Sigma and Process](#)

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Improvement

Smarter Solutions Using Statistical Methods

Kaizen Leader & Green Belt Handbook

DELIVER FASTER, BETTER, AND CHEAPER

HEALTHCARE IN AS FEW AS FIVE DAYS 4 STAR

DOODY'S REVIEW! "The main purpose is to present simple steps to help hospitals start getting faster, better, and cheaper in five days or less while achieving the goal of fast, affordable, and flawless healthcare. Healthcare has many opportunities for improvement and the use of Lean Six Sigma concepts can make a dramatic impact. This book provides the basic information to do that."--Doody's

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Review Service Lean Six Sigma for Hospitals: Simple Steps to Fast, Affordable, Flawless Healthcare explains how to use tested Lean Six Sigma methods and tools to rapidly improve hospital operations and quality of care and reduce costs. These proven strategies follow the patient from the front door of the hospital or emergency room all the way through discharge, examining key aspects of patient flow and quality. The trail of billing and collections is also followed to discover and eliminate cash flow leaks. This practical guide emphasizes both the clinical and operational sides to reduce the "three demons of quality"--delay, defects, and deviation. Real-world case studies from major hospitals illustrate successful

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implementations of Lean Six Sigma. Coverage Includes:
Achieving a faster, better hospital in five days--emergency department, door-to-balloon time, operating room, medical imaging, lab, nursing unit, clinical staff, pharmacy, order accuracy, diagnosis, ICU Lean for accelerated patient flow
Reducing medical errors with Six Sigma
Creating a more profitable hospital in five days by reducing denied, rejected, and appealed claims
Six Sigma for hospitals
Excel power tools for Lean Six Sigma
Identifying improvement projects through data mining and analysis
Sustaining improvement using control charts
Laser-focused process innovation
Statistical tools for Lean Six Sigma
Implementing Lean Six Sigma

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Six Sigma approach is generally employed to improve the sigma level of manufacturing or service processes by reducing their deviations and defects. Six Sigma provides the opportunity to eliminate mistakes, improve morale and save money. Doing things right in first time and keeping them consistent is the only idea behind Six Sigma. Its fundamental objective is to achieve customer satisfaction with continuous improvement in quality and productivity. Mostly we are emphasizing on various tools or techniques being used during DMAIC projects and almost ignore the procedure to execute different phases of the Six Sigma project. This book provides unique step by step methodologies to perform Define, Measure, Analyse,

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Improve and Control phases of a Six Sigma project, respectively. An empirical investigation has been carried out in a make-to-order type (medium sized) foundry and Six Sigma is successfully implemented by decreasing the scrap of piston castings, appreciably. The book focuses on scrap reduction specifically in Indian foundries and tries to find out the reasons of low productivity index. It also tend to shatter the various phobias of SMEs in context of Six Sigma by validating the compatibility of proposed methodologies through a successful case study in Indian foundry environments.

This Minibook is a brief guide for Green Belt during a Lean Six Sigma project management or for Kaizen Leader

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during a process improvement activity. Through both its theoretical concepts and practical examples it is a pocket book for a quick consultancy. Authors idea comes from companies needs in order to analyze information useful to know in depth different kind of processes. The set of Six Sigma tools are explained through Minitab 16, the last release of the most widely used statistical software. The perfect prescription for any organization Increasingly popular with large and mid-sized companies around the world, Lean Six Sigma is the new hybridization of Six Sigma and Lean methodologies, and there is no better approach for achieving operational excellence in an organization. But how do you implement Lean Six Sigma,

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and what does it entail? The Complete Idiot's Guide to Lean Six Sigma answers this question with unprecedented clarity and turnkey elegance. Part one gives you all the background you need to understand Lean Six Sigma - what it is, where it came from, what it has done for so many organizations and what it can do for you and your company. Parts two and three of the book give you a prescribed yet flexible roadmap to follow in selecting, enacting and realizing improvements from Lean Six Sigma projects. Within this step-by-step structure, the authors demonstrate when and how to use the many Lean Six Sigma statistics and 'tools', packing the pages with diagrams, real-life examples, templates, tips and advice. If

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you are a Green Belt or a Black Belt, or trainee, these two parts will be invaluable to you. The Complete Idiot's Guide to Lean Six Sigma is the first book of its kind to integrate the Lean Six Sigma tools within a clear stepwise progression, so readers know when and how to actually apply them in their jobs. As such, this book is superior as a companion to any corporate or organizational Lean Six Sigma 'deployment'. No more complex hodgepodge. Other books about Lean and/or Six Sigma tend to provide a lot of good information, tools and statistics, but mostly in a disconnected way, not in a way that is straightforward and user friendly. This makes an already complex subject seem still complex to the neophyte reader. On the other hand,

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the structure and progression of this book unfolds Lean Six Sigma in a way that a reader can easily become a user, and move more quickly from knowledge to application. Therefore, using *The Complete Idiot's Guide to Lean Six Sigma*, you know why the statistics are important and where to use them, because this is made clear. You know how and when to use a Pareto Chart, or do a Stakeholder Analysis, or conduct a Failure Mode and Effects Analysis (FMEA). You not only get fully primed on all the parts and parcels of Lean Six Sigma, but you truly learn enough to become dangerous - in a good way! In a way that makes you more valuable to your organization. Also for Lean Six Sigma leaders, not just practitioners.

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Just as a Lean Six Sigma practitioner follows a proven formula for process improvement, a Lean Six Sigma Leader generally follows a process for achieving organizational transformation. This is why the final part of the book focuses on what a Lean Six Sigma leader or Champion needs to know and do to be successful - again according to a detailed step-by-step process that can be followed exactly or modified to fit specific needs. This includes:

- ? Identifying and selecting Lean Six Sigma projects.
- ? Understanding the process of organizational transformation.
- ? Installing an infrastructure for Lean Six Sigma deployment.

This is the first book to provide a coherent view and

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guidance for using the Six Sigma approach successfully in IT service organisations. It particularly aims to merge ITIL and Six Sigma into a single approach for continuous improvement of IT service organisations. Six Sigma provides a quantitative methodology of continuous (process) improvement and cost reduction, by reducing the amount of variation in process outcomes. The production of a product, be it a tangible product like a car or a more abstract product like a service, consists of a series of processes. All processes consist of a series of steps, events or activities. Six Sigma measures every step of the process by breaking apart the elements within each process, identifying the critical characteristics, defining and

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mapping the related processes, understanding the capability of each process, discovering the weak links, and then upgrading the capability of the process. It is only by taking these steps that a business can raise the 'high-water mark' of its performance. IT is now a fundamental part of business and business processes; this book demonstrates how IT can be made to work as an enabler to better business processes, and how the Six Sigma approach can be used to provide a consistent framework for measuring process outcomes. ITIL defines the 'what' of Service Management; Six Sigma defines the "how" process improvement; together they are a perfect fit of improving the quality of IT service delivery and support. The Six

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Sigma approach also provides measures of process outcomes, and prescribes a consistent approach in how to use these metrics.

We have been deploying Lean Six Sigma in various large and medium size companies for many years and have realized excellent results in most instances. We found that while Lean Six Sigma does a great job addressing the primary concerns of manufacturing and service, we felt that there was something missing in the deployment of Lean Six Sigma programs at many companies. Something that could help foster sustainable breakthroughs; something to realize durable performance and sustainable quality enhancement based on a happy and engaged

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workforce, something to create a real learning organization in which people are working smarter, are committed and improve themselves continuously. We found that the results could be enhanced if the importance of Human Capital is considered as an integral part of the process. We learned that Lean Six Sigma, in itself, does not sufficiently address Human Capital at many companies. While expected results from Lean Six Sigma alone will be good, we believe that adding the human component to Lean Six Sigma has the potential to realize sustainable, longterm growth and produce a transformation into a lean learning, prosperous organization. That's why we are launching a revolutionary, holistic concept in this book

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called TPSLean Six Sigma. Combining these complimentary processes actively brings human involvement into Lean Six Sigma in a manner that not only stimulates commitment, integrity, worklife balance, and passion, enjoyment at work and employee engagement but also stimulates individual and team learning in order to develop a happy workforce and sustainable performance improvement and quality enhancement for the organization. TPSLean Six Sigma is a continuous voyage of discovery involving continuous personal and organizational improvement, development, and learning. The starting point in this concept is a journey to understand personal goals and ambitions of the workforce

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Then we take the organizations goals and ambitions and marry them with the workforce, and find the best people for the job. Using our structured approach for aligning the personal scorecards with the organization's scorecard, we are able to create a symbiotic relationship between employees and organizational desires through the establishment of Lean Six Sigma project teams that will enthusiastically drive positive results. TPSLean Six Sigma is like a 'turbocharged' Lean Six Sigma program. All of the proven, sound methodologies of traditional Lean Six Sigma are charged with highly motivated team members. The result is a powerful people driven Lean Six Sigma program called TPSLean Six Sigma that leads to a High

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Performance Culture and allows employees to realize their full potential and contribute creatively while the organization benefits from increased profitability, market share, and customer satisfaction. People are happiest when they are given freedom, challenges, and control over their lives. TPSLean Six Sigma also offers a systematic and integrated approach to the transformation of people in organizations, and to impact business strategy, culture, organizational effectiveness and the controllability of business processes. It entails a learning process, which transforms people into happy, inwardly involved, and committed employees. This will not only allow them to contribute exceptionally but will also persuade them to

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support, defend, and promote their organization. This approach lies at the heart of successful organizational and cultural change. After all, it is difficult to change the organization, but if we change ourselves, the organization will change with us. This unique TPSLean Six Sigma system is based on several new models, guidelines and tools that have been proven in practice. It integrates the individual's aspirations with the shared ambition of the organization, balancing the personal with the shared ambition, embedding ethical behavior in the individual's mind and links individual capabilities with an effective talent management process. TPSLean Six Sigma and the related new tools provide an excellent and innovative

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framework for creating sustainable breakthroughs in both the service and manufacturing industries. This new book emphasizes the introduction of a new blueprint, called TPSLean Six Sigma, for addressing the primary concerns of manufacturing and service in a more sustainable and humanized way. It leads to a High Performance Culture and allows employees to realize their full potential and contribute creatively while the organization benefits from increased profitability, market share, and customer satisfaction. By way of this book, Hubert Rampersad & Anwar ElHomsy are launching a revolutionary, holistic concept which actively has human capital embedded in Lean Six Sigma in a manner that not only stimulates

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commitment, integrity, worklife balance, passion, enjoyment at work and employee engagement but also stimulates individual and team learning in order to develop a motivated workforce and sustainable performance improvement and quality enhancement for the organization.

This is the first book to completely cover the whole body of knowledge of Six Sigma and Design for Six Sigma with Simulation Methods as outlined by the American Society for Quality. Both simulation and contemporary Six Sigma methods are explained in detail with practical examples that help understanding of the key features of the design methods. The systems approach to designing products and

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services as well as problem solving is integrated into the methods discussed.

"The Lean Six Sigma Pocket Toolbook blends Lean and Six Sigma tools and concepts, providing expert advice on how to determine which tool within a 'family' is best for different purposes. Packed with detailed examples and step-by-step instructions, it's the ideal handy reference guide to help Green and Black Belts make the transition from the classroom to the field."--Resource description page.

[Six Sigma voor Dummies](#)

[The Lean Six Sigma Pocket Toolbook: A Quick Reference Guide to Nearly 100 Tools for Improving Quality and Speed](#)

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[Deployment of Six Sigma in Indian Foundry SMEs](#)

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[Methodology](#)

[Changing With Lean Six Sigma](#)

[An Overview for Marketing Executives, Leaders, and](#)

[Managers](#)

[SIMPLIFIED SIX SIGMA](#)

[TPSLean Six Sigma](#)

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Vital tools for implementing Lean Six Sigma--what they are, how they work, and which to use The Lean Six Sigma Pocket Toolbook is today's most complete and results-based reference to the tools and concepts needed to understand, implement, and leverage Lean Six Sigma. The only guide that groups tools by purpose and use, this hands-on reference provides: Analyses of nearly 100 tools and methodologies--from DMAIC and Pull Systems to Control Charts and Pareto Charts Detailed explanations of each tool to help you know how, when, and why to use it for maximum efficacy

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Sections for each tool explaining how to create it, how to interpret what you find, and expert tips

Lean Six Sigma is today's leading technique to maximize production efficiency and maintain control over each step in the managerial process. With The Lean Six Sigma Pocket Toolbook, you'll discover how to propel your organization to new levels of competitive success--one tool at a time. Six Sigma has taken the corporate world by storm and represents the thrust of numerous efforts in manufacturing and service organizations to improve products, services, and processes. Although Six Sigma brings a new direction to quality and

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productivity improvement, its underlying tools and philosophy are grounded in the fundamental principles of total quality and continuous improvement that have been used for many decades. Nevertheless, Six Sigma has brought a renewed interest in quality and improvement that few can argue with, and has kept alive the principles of total quality developed in the latter part of the 20th Century. AN INTRODUCTION TO SIX SIGMA AND PROCESS IMPROVEMENT, 2e shows students the essence and basics of Six Sigma, as well as how Six Sigma has brought a renewed interest in the principles of total quality to

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cutting-edge businesses. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Drawing on experience at the highest levels of the world's largest organizations, this book offers an insider's view of what it really takes to lead successful quality implementations. The authors focus on the issues most crucial to senior managers, including comprehensive coverage of Six Sigma planning, implementation, and deployment.

Many organizations develop strategic plans that

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gather dust on bookshelves. Many other organizations employ Lean and Six Sigma methodologies to eliminate waste and reduce process variation only to find they are not moving the big bars that measure success for the organization. Driving Strategy to Execution Using Lean Six Sigma: A Framework for Crea

Although the Six Sigma Define-Measure-Analyze-Improve-Control (DMAIC) methodology is a widely accepted tool for achieving efficient management of all aspects of operations, there are still many unwarranted concerns about its perceived complexity and implementation costs. Dispelling

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these myths, Six Sigma for Powerful Improvement: A Green Belt DMAIC Training System with Software Tools and a 25-Lesson Course clarifies the long-accepted statistical and logical processes of Six Sigma and provides you with tools you can use again and again in your own "real world" projects—removing any doubts regarding their simplicity and "doability.". Not only does the book provide you with reasons for using the tools, it reveals the underlying doctrines, formulas, and steps required. Although the tools and techniques presented are specifically associated with the DMAIC philosophy, they are applicable across a

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wide range of management and improvement scenarios. Explaining Six Sigma processes in language that's easy to understand, the book starts with an overview, followed by specific techniques and procedures. It presents detailed, illustrated lesson segments that include an agenda, roadmap, objectives, and a list of takeaway concepts. It also: Provides seven separate Excel tool templates—each with its own user guide and additional smaller tools Presents completed Excel sample workbooks for each tool to facilitate your comprehension and utilization confidence Includes a CD with a PowerPoint-based DMAIC training course, the

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aforementioned Excel-based Six Sigma tools and workbooks, and extensive instructor ' s notes embedded in each lesson Trained as and employed as a Black Belt and later as a Master Black Belt, the author presents doctrines and procedures with a strong pedigree and history of success. The book uses hundreds of figures and tables to illustrate key concepts and also makes them available in full-color on the accompanying CD. This is also true of the figures in the user guides that document the accompanying tools. For each of the tools, the book includes a completed sample workbook. The PowerPoint and Excel lessons and tools are

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provided in both 2007 and 97-2003 versions.

This book is written for the Six Sigma Black Belt who needs an understanding of many statistical methods but does not use all of these methods every day. It is intended to be used as a quick reference, providing basic details, step-by-step instructions, and Minitab statistical software instructions. Six Sigma Black Belts typically use a statistical program such as Minitab to perform calculations, but an understanding of the underlying statistics is still needed. Anybody can type data into a program; a Black Belt must be capable of understanding which hypothesis test is appropriate

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for a given use, as well as the assumptions that must be met to correctly perform the hypothesis test. The methods presented here are laid out according to the Six Sigma DMAIC (Define, Measure, Analyze, Improve, Control) phases in which they are typically used. However, these methods can also be applied outside of a Six Sigma project, such as when one simply needs to determine whether there is a difference in the means of two processes producing the same parts. A Six Sigma Black Belt using Statistics for Six Sigma Black Belts will be able to quickly zero in on appropriate methods and follow the examples to

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reach the correct statistical conclusions.

Inleiding tot een methode voor het doorvoeren van extreme procesverbeteringen in bedrijven en bij de overheid.

Quality Improvement should be something everyone strives to achieve in the workplace, whether in manufacturing, services or healthcare. There are numerous strategies for Quality Improvement, but none to rival Six Sigma, both in terms of growing popularity, and the emphasis that it places on the use of statistical methods. Six Sigma Quality Improvement with MINITAB explains the most important statistical methods

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employed in Six Sigma and demonstrates their implementation via the very popular, and user-friendly, statistical software package MINITAB (Release 14). Introduction to key statistical methods for Quality Improvement using MINITAB. Minimal prior knowledge of statistical methods and no prior knowledge of MINITAB assumed. Easy-to-follow guidance for Six Sigma Green and Black Belts and others involved in Quality Improvement. Provides informative follow-up exercises, from a wide variety of scenarios, on each topic. Employs random data generation in MINITAB to aid understanding of key statistical concepts.

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Supported by a Website featuring data sets for download and notes and answers for the follow-up exercises. Developed from the author ' s wealth of experience gained from many years working both in education and consultancy. This book will be of great value to Six Sigma practitioners, as well as those employing other strategies for Quality Improvement. Furthermore, students of Quality Improvement and anyone with an interest in data analysis and statistical methods and their implementation via MINITAB software will find this book invaluable.

[Six Sigma for IT Management](#)

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[Six Sigma+Lean Toolset](#)

[Six Sigma and Beyond](#)

[Improving Pricing Operations to Increase Profits](#)

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[Simulation-based Lean Six-Sigma and Design for Six-Sigma](#)

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[Business Machine](#)

[Linking Human Capital to Lean Six Sigma A New Blueprint for Creating High Performance Companies](#)

This compact and concise text, based on the rich and vast experience of the author gained while training thousands of individuals, explains in detail what Six Sigma is and why it is necessary to adapt the process. It explains the methodology, tools to be used, and the Six Sigma implementation process. The book describes how to define a problem,

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how to measure the key inputs and outputs, and how to collect and analyse the data. It discusses the method of identifying the problems, solutions and, with this, to improve the problem process to get Six Sigma output on a continuous basis. The book gives details of how to impart training on the Six Sigma concepts, tools and implementation methodology to master black belts, black belts and green belts. It contains a detailed syllabus for the training, and the method of selecting the trainers. This book

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should prove extremely useful to students of engineering, especially Production/Mechanical Engineering and Industrial Engineering and Management, and postgraduate students of business management. It will be of immense value to all the organisations which wish to achieve highest quality outputs. KEY FEATURES : Illustrates all the tools to be used in each of the phases with ready to use templates using the MS Excel work sheets. Explains step-by-step the implementation process and how to

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record the results. Describes the data collection process and forms to be used for different types of data. Discusses how to control all the processes to ensure stability in the process. Contains a number of case studies to help both students and professionals.

Nearly half of the top one hundred Fortune 500 companies use Six Sigma methodology in some part of their business. These companies have been among the top one hundred for five or more years and consistently report

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higher revenue and significantly higher profits than competitors. This underscores the impact on the cost side. Now the focus moves to revenue growth. Six Sigma consultant Clyde M. Creveling's Design for Six Sigma in Technology and Product Development is the standard guide for product commercialization and manufacturing support engineers who want to apply Six Sigma methodology to technology development and product commercialization. Now, in Six Sigma for

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Marketing Processes, Creveling joins with Lynne Hambleton and Burke McCarthy to show the ways marketing professionals can adapt and apply those same Six Sigma concepts to create a lean marketing workflow built for growth. This book provides an overview of the way marketing professionals can utilize the value offered by Six Sigma tools, methods, and best practices, within their existing phase-gate processes, as well as the traditional Six Sigma problem-solving approach: define, measure, analyze, improve,

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control (DMAIC). It provides unique methods for employing Six Sigma to enhance the three marketing processes for enabling a business to attain growth: strategic, tactical, and operational. It goes further to demonstrate the way Six Sigma for marketing and Six Sigma for design can be combined into a unified Six Sigma for growth. In this book, you'll learn how to apply Six Sigma methodology to Develop a lean, efficient marketing workflow designed for growth Enhance the three marketing arenas for

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***growth: strategic, tactical, and operational
Identify leading indicators of growth and
become proactive about performance
improvement Strengthen links between
customers, products, and profitability
Redesign marketing work to streamline
workflow and reduce variability Assess and
mitigate cycle-time risk in any marketing
initiative or project Leverage DMAIC to solve
specific problems and improve existing
processes Use lean techniques to streamline
repeatable processes, such as collateral***

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development and trade-show participation
Preface xv Acknowledgments xxiii About the Authors xxv Chapter 1: Introduction to Six Sigma for Marketing Processes 1 Chapter 2: Measuring Marketing Performance and Risk Accrual Using Scorecards 25 Chapter 3: Six Sigma-Enabled Project Management in Marketing Processes 45 Chapter 4: Six Sigma in the Strategic Marketing Process 63 Chapter 5: Six Sigma in the Tactical Marketing Process 117 Chapter 6: Six Sigma in the Operational Marketing Process 173

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Chapter 7: Quick Review of Traditional DMAIC 209 Chapter 8: Future Trends in Six Sigma and Marketing Processes 229 Glossary 235 Index 261

SIX SIGMA Six Sigma is a method that provides organizations tools to improve the capability of their business processes. This increase in performance and decrease in process variation lead to defect reduction and improvement in profits, employee morale, and quality of products or services. Many companies are now realizing the

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benefits of incorporating Six Sigma training for their employees. Six Sigma has various important functions and roles within a company. One is to incorporate the basics of this management process into the company which affects profits and a lower rate of defects. About Belt levels, employees are able to move from belt to belt to the highest ranking, Master Black Belt certification. This book is very accessible and it explains the Design of Experiments of Six Sigma in an understandable way. It places the material in

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the context of process improvement, rather than in an academic context. For the effective implementation of Six Sigma projects, organizations must understand the critical success factors that will make the application successful. Critical success factors represent the essential ingredients without which a project stands little chance of success. This book presents some essential ingredients for Six Sigma implementation, generated from a pilot survey conducted in the manufacturing and service organizations.

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This book detailed the basics of Six Sigma, why companies are not taking advantages of six sigma, six sigma implementation of Methodology, Pros and Cons of Six Sigma and lots more. CLICK ADD TO CART TO MAKE YOUR COMPANY WORKS BETTER

Six Sigma is a data-driven management system with near-perfect performance that is a statistical target of operating with no more than 3.4 defects per one million chances. Six sigma has both created avid interest and raised concerns among executives and its

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practioners. This is all very well for multinationals like Motorola or General Electric but how can it help small and medium-sized enterprises or the service industry? How do you ensure that solutions stick? Quality Beyond Six Sigma responds to this challenge and provides a practical implementation of the issues of Six Sigma, Lean Enterprise and Total Quality and aligns the 'hard' sigma message with the softer sustainable 'strategic issues'. The result is FIT SIGMA. The authors utilize major and

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minor case studies to support principles and learnings of FIT SIGMA and include review examples and self-assessment that underpin the sustainable process. The three major case studies are contributed by General Electric, Dow Chemical and Seagate Technology. Senior Executives and Managers of organizations of all types and sizes, Management Consultants and Students of all disciplines will find this book a stimulating guide to quality and operational excellence. In the new millennium the increasing

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expectation of customers and products complexity has forced companies to find new solutions and better alternatives to improve the quality of their products. Lean and Six Sigma methodology provides the best solutions to many problems and can be used as an accelerator in industry, business and even health care sectors. Due to its flexible nature, the Lean and Six Sigma methodology was rapidly adopted by many top and even small companies. This book provides the necessary guidance for selecting, performing

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and evaluating various procedures of Lean and Six Sigma. In the book you will find personal experiences in the field of Lean and Six Sigma projects in business, industry and health sectors.

Six Sigma Deployment provides a thorough understanding of the Six Sigma methodologies and its implementation in various industries. The authors offer practical information for successful implementation as well as what is needed to plan, monitor and steer this business strategy toward success.

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The authors begin with an introduction to the Six Sigma initiative by offering a chronology of events from the origin of Six Sigma to the present. This includes the changing view of quality and how companies have benefited. Readers are also introduced to the currently popular breakthrough strategy and learn how this compares to the original methodology. Along with this, the different belts are explained in detail as to what the variations are among various service providers. Some of the unique aspects of this book include the

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use of Six Sigma with the various quality standards that are being implemented today, the implementation of Six Sigma in supply chain management stream, and the analysis of different methods used by various companies, the strengths and weaknesses of each, results achieved and finally lessons learned. In addition, an appendix is provided that includes the various statistical or non-statistical tools employed during the implementation of Six Sigma. In all walks of life, at some point in time, we

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all use the process of problem solving. We all talk about it, we all use it, but chances are we all mean different things by it. Six Sigma and Beyond: Problem Solving and Basic Mathematics organizes the topic and provides a structured approach based on the scientific method. Specifically designed to a Advance Praise for Managing Six Sigma "This book is a unique blend of practical knowledge and cultural change, revolution and evolution strategies. I recommend that serious managers buy the book, spend some serious

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time reading, and then go out and use its lessons to make a name for themselves."-William Baker, Benchmarking/Knowledge Transfer Office, Raytheon Corporation "I believe Managing Six Sigma will be the new reference standard for the quality movement in coming years."-Robert T. Hunter, Executive Vice President, Rehnborg Center for Nutrition and Wellness "[The authors'] step-by-step process for integrating the tools of Six Sigma takes the mystery out of this methodology and, by

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itself, makes this book worth having."-Dennis Adsit, PhD, Vice President, Quality, Intuit "Breyfogle's Six Sigma deployment methodology is explained in detail for four different business processes: manufacturing, service, transactional, and development. . . . His 21-step plan for each business process is explained in a way that allows any type of company to perform a successful implementation."-Mark Feller, Director of Quality, Baker Electronics "Breyfogle teaches not only the wider application but also the

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deeper implications and in-depth implementation of Six Sigma deployment in organizations large and small."-Ram Josyula, President, gelrad.com Managing Six Sigma is the only book that provides both detailed coverage of Six Sigma techniques and effective methods for managing those who implement Six Sigma. With real-world case studies recounting the triumphs and pitfalls encountered during successful implementations at Motorola and General Electric-plus plans, checklists, and metrics to

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speed up the implementation process-this rich resource helps managers solve problems effectively and ensure a fast, smooth, and successful Six Sigma implementation.

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results. WorkOut: The revolutionary problem-solving program that brings management and workers together to bust bureaucracy. Companies worldwide use Six Sigma to measure and improve performance. Others use WorkOut to get quick bottom-line results and empower their workforce. But few enjoy the enormous success General Electric achieved by combining these approaches. Rath & Strong shows you how to get that synergy, with a handy pocket guide full of charts, checklists, assessment tools, and cases that help you: Prepare for, reenergize, or enhance a Six Sigma initiative Use a fast, simple alternative to Six Sigma Make your culture more participative, data-driven, and customer-focused Engage your front-line workers in Six Sigma

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Mitchell, President, Professional Pricing Society Many companies have developed solid sales strategies– but without equally good pricing operations, those strategies alone will not add a dime to the bottom line. The goal of pricing operations is to consistently control price deviations in transactions and contracts over time and across customer segments. This goal of ensuring the prices are not too low or too high in different transactions relative to guidelines lends itself perfectly to Six Sigma. Using the authors’ breakthrough Six Sigma-based approach, you can systematically eliminate pricing-related revenue leaks, driving higher profits without alienating customers. You’ll learn how to define pricing “defects,” gather and analyze relevant pricing data,

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review pricing-agreement processes, identify and control failures, implement improvements, and then ensure continuous, ongoing improvement in price, profits and customer satisfaction. The book reflects the authors' pioneering experience implementing Six Sigma pricing. Whether you're a business leader, strategist, manager, consultant, or Six Sigma specialist, it will help you or your client recover profits that have been slipping through the cracks in pricing operations. • Learn why Six Sigma Pricing makes sense Why you should target pricing operations, and how to do it • Identify profit leaks from inefficient pricing operations Why "sloppy pricing" occurs, how to find it, and how to root it out • Illuminate your current pricing processes, so you can improve them

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Understand your market-facing and internally focused pricing processes pertaining to product launch and lifecycle price management, price increases due to escalation in costs of raw materials, promotions, and discounting • Set up your pricing operations for continuous improvement in line with your pricing and sales strategy Use Six Sigma to improve and control processes, ensuring alignment with agreed-upon strategy for pricing and sales • Create an organization that is successful at pricing Align different functions and levels of the company to achieve targeted profits

• Understand the market and customer requirements that will make the organization successful. Critical factors that will make the organization successful include:

- **Raw materials**
- **Promotions**
- **Discounting**
- **Continuous improvement**
- **Alignment with agreed-upon strategy for pricing and sales**
- **Organization that is successful at pricing**
- **Align different functions and levels of the company to achieve targeted profits**

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What is the chance of success. In this book, "six sigma," you will learn: - The philosophy behind six sigma - The tools used when implementing six sigma - How to identify and launch a six sigma initiative - What DMAIC is and how to apply it - How to gain upper management buy-in for your project - The do's and don'ts of six sigma implementation - And much more! The lean manufacturing method combines aggressive waste reduction with continuous improvement. Six sigma is a statistical quality control program responsible for world-class quality and incredibly low process defect rates. In the business world, especially in manufacturing or quality management, the term Six Sigma usually refers to a set of tools and methodologies developed by Motorola

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to improve processes by eliminating defects. So why should the HR professional care what Six Sigma is or how it can be applied in the HR function? According to the specialists at Orion Partners, there are ten key reasons: * to create excellence in process delivery; * to reduce defects; * to increase efficiency; * to create a quality focused mindset; * to benefit from best practice; * to bring clarity to the processes of HR; * to use a structured scientific approach; * to speak the same language and improve communication; * to gain control over your processes; * and to strengthen your business case. Mircea Albeanu and Ian Hunter explain some of the basic concepts to show how applying Six Sigma tools and methodologies can be used to manage the practical

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challenges of improving HR operations to meet your organization's expectations at a lower cost and with greater efficiency. To help illustrate some of the key messages examples are drawn from Orion Partners' work using Six Sigma tools with international organizations over the last seven years. This concise guide is ideal for project and programme managers involved in business transformation, and for HR managers as well as Six Sigma specialists seeking to understand its applications within human resources. About The Gower HR Transformation Series: The Human Resources function faces a continuing challenge to its role and purpose, in many organizations it has suffered from serious under-representation at strategic, board level. Yet, faced with

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the challenges of globalism, the need to innovate, manage knowledge, attract and retain the very best employees, organizations need an HR function that can lead from the front. The process of transforming the function is complex and rarely linear. It includes the practical challenges of improving HR operations to meet customer expectations at lower cost and with greater efficiency. The Gower HR Transformation Series will help; it uses a blend of conceptual frameworks, practical advice and global case study examples to cover each of the main elements of the HR transformation process. The books in the series follow a standard format to make them easy to read and reference. Together, the titles create a definitive guide from one of the leading

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specialist HR transformation consultancies; an organization that has been involved in HR transformation for clients as diverse as Bombardier Transportation, Marks & Spencer, Barnardo's, Oxfam, Schroders, UnitedHealth Group, Nestlé, BP, HM Prison Service, Transport for London and Vodafone.

Many leaders and managers have led improvement initiatives in a variety of different industry sectors. Most believe that when they begin these efforts, they already have the tools they need in their improvement "backpack." Using these tools, they make substantial improvements to processes in a wide array of industry segments. As time passes, however, most realize that there is a missing link in their arsenal of tools for

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improvement. The author of this book faced this same predicament and he discovered what the missing link was in his improvement tool kit: Theory of Constraints (TOC). Once he learned the details of TOC, his ability to make major improvements jettisoned upward to levels he had not seen before. TOC is the common denominator in all the case studies presented in this book. This book opens with a chapter on what Theory of Constraints is and why it works so well in improvement efforts. The second and third chapters cover the important points related to Lean Manufacturing and Six Sigma as well as key points related to variability. Chapter 4 demonstrates how to effectively combine these three components to achieve maximum improvement and the corresponding

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enhancement to your company's profitability. The remainder of this book is composed of true case studies from different industry segments, using this integrated improvement methodology. Essentially, this book lays the foundation for what most practitioners are just beginning to understand—this integrated improvement methodology is superior to the three components used in isolation from each other. This book presents a step-by-step method of how to combine the Theory of Constraints, Lean, and Six Sigma, and then demonstrates its effectiveness in a very diverse array of industries. Includes new and expanded coverage of Six Sigma infrastructure building and benchmarking. Provides plans, checklists, metrics, and pitfalls.

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