

## Maintenance Engineering Management Doc

To be able to compete successfully both at national and international levels, production systems and equipment must perform at levels not even thinkable a decade ago. Requirements for increased product quality, reduced throughput time and enhanced operating effectiveness within a rapidly changing customer demand environment continue to demand a high maintenance performance. In some cases, maintenance is required to increase operational effectiveness and revenues and customer satisfaction while reducing capital, operating and support costs. This may be the largest challenge facing production enterprises these days. For this, maintenance strategy is required to be aligned with the production logistics and also to keep updated with the current best practices. Maintenance has become a multidisciplinary activity and one may come across situations in which maintenance is the responsibility of people whose training is not engineering. This handbook aims to assist at different levels of understanding whether the manager is an engineer, a production manager, an experienced maintenance practitioner or a beginner. Topics selected to be included in this handbook cover a wide range of issues in the area of maintenance management and engineering to cater for all those interested in maintenance whether practitioners or researchers. This handbook is divided into 6 parts and contains 26 chapters covering a wide range of topics related to maintenance management and engineering.

Proceedings of COMADEM 90: the Second International Congress of Condition Monitoring and Diagnostic Engineering Management

This introductory textbook links theory with practice using real illustrative cases involving products, plants and infrastructures and exposes the student to the evolutionary trends in maintenance. Provides an interdisciplinary approach which links, engineering, science, technology, mathematical modelling, data collection and analysis, economics and management Blends theory with practice illustrated through examples relating to products, plants and infrastructures Focuses on concepts, tools and techniques Identifies the special management requirements of various engineered objects (products, plants, and infrastructures)

This is a hands-on reference guide for the maintenance or reliability engineer and plant manager. As the third volume in the "Life Cycle Engineering series, this book takes the guiding principles of Lean Manufacturing and Maintenance and applies these concepts to everyday planning and scheduling tasks allowing engineers to keep their equipment running smoothly, while decreasing downtime. The authors offer invaluable advice on the effective use of work orders and schedules and how they fit into the overall maintenance plan. There are not many books out there on planning and scheduling, that go beyond the theory and show the engineer, in a hands-on way, how to use planning and scheduling techniques to improve performance, cut costs, and extend the life of their plant machinery. \* The only book that takes a direct look at streamlining planning and scheduling for a Lean Manufacturing Environment \* This book shows the engineer how to create and stick to effective schedules \* Gives examples and templates in the back of the book for use in day-to-day scheduling and calculations

The fully updated industry-standard guide to maintenance planning and scheduling Written by a Certified Maintenance and Reliability Professional (CMRP) with more than three decades of experience, this thoroughly revised resource provides proven planning and scheduling strategies that will take any maintenance organization to the next level of performance. The book covers the accuracy of time estimates, the level of detail in job plans, creating schedules, staging material, utilizing a CMMS, and more, all designed for increasing your workforce without hiring. Maintenance Planning and Scheduling Handbook, Third Edition features major additions to the business case for planning and scheduling, new case studies, an expanded chapter on KPIs with sample calculations, a new chapter on successful outage management, and a new appendix illustrating how to easily conduct an in-house productivity study. New discussions reveal how the principles of planning and scheduling closely follow the timeless management principles of Dr. W. Edwards Deming and Dr. Peter F. Drucker. This comprehensive guide delivers the experience, advice, and know-how necessary to establish a world-class maintenance operation. Detailed coverage of: The business case for the benefit of planning Planning principles Scheduling principles Dealing with reactive maintenance Basic planning Advance scheduling Daily scheduling and supervision Forms and resources The computer in maintenance How planning interacts with preventive maintenance, predictive maintenance, and project work How to control planning and use associated KPIs for planning and overall maintenance Shutdown, turnaround, overhaul, and outage management Conclusion: start planning

Rules of Thumb for Maintenance and Reliability Engineers will give the engineer the "have to have" information. It will help instill knowledge on a daily basis, to do his or her job and to maintain and assure reliable equipment to help reduce costs. This book will be an easy reference for engineers and managers needing immediate solutions to everyday problems. Most civil, mechanical, and electrical engineers will face issues relating to maintenance and reliability, at some point in their jobs. This will become their "go to" book. Not an oversized handbook or a theoretical treatise, but a handy collection of graphs, charts, calculations, tables, curves, and explanations, basic "rules of thumb" that any engineer working with equipment will need for basic maintenance and reliability of that equipment. • Access to quick information which will help in day to day and long term engineering solutions in reliability and maintenance • Listing of short articles to help assist engineers in resolving problems they face • Written by two of the top experts in the country

Purpose The purpose of this book is to provide the reader with an understanding of the ISO 9000-3 guideline and how it applies to the specification, development, test, and maintenance of software. We will show that the basic practices and procedures that define software engineering and the ISO guideline are, for all intents and purposes, one and

the same. We hope that the readers of this book will use the information found within not only to pass the certification audit but as a tool to be used to create the well-managed engineering environment needed to create reliable, well engineered products in a consistent manner. Audience This book is intended for senior software engineers, software managers, and non software managers within software organizations whose aim is to create an engineering environment within their company or organization. In addition, individuals outside the software organization who have responsibility for the specification of the software product and preparing their organization to take ownership of the developed product will find this book of great interest. Finally, those who must choose software companies to do business with or audit software companies to determine their ability to engineer and maintain a software product will find this book helpful. 2 Introduction Overview This book is made up of twenty-four chapters that can be grouped into four sections. Chapter 1 through Chapter 4 set the basis for the following chapters that deal directly with the guideline.

“The Maintenance Management Framework” describes and reviews the concept, process and framework of modern maintenance management of complex systems; concentrating specifically on modern modelling tools (deterministic and empirical) for maintenance planning and scheduling. It will be bought by engineers and professionals involved in maintenance management, maintenance engineering, operations management, quality, etc. as well as graduate students and researchers in this field.

This handbook consists of six core chapters: (1) systems engineering fundamentals discussion, (2) the NASA program/project life cycles, (3) systems engineering processes to get from a concept to a design, (4) systems engineering processes to get from a design to a final product, (5) crosscutting management processes in systems engineering, and (6) special topics relative to systems engineering. These core chapters are supplemented by appendices that provide outlines, examples, and further information to illustrate topics in the core chapters. The handbook makes extensive use of boxes and figures to define, refine, illustrate, and extend concepts in the core chapters without diverting the reader from the main information. The handbook provides top-level guidelines for good systems engineering practices; it is not intended in any way to be a directive. NASA/SP-2007-6105 Rev1 supersedes SP-6105, dated June 1995

This text is an accessible and comprehensive guide to the principles, practices, functions and challenges of maintenance engineering and management. With a strong emphasis on basic concepts and practical techniques throughout, the book demonstrates in detail how effective technical competencies in maintenance management can be built in engineering organizations. The book thus provides students and practising engineers alike with the methodologies and tools needed to understand and implement the systems approach to maintenance management. The major goals for the text include : To provide a good understanding of different types of maintenance management systems such as breakdown, preventive, predictive, proactive. To explain benefits of planned maintenance. To explain condition-based monitoring techniques with focus on vibration monitoring, thermography, and motor condition monitoring. To stress the role of reliability engineering in maintenance with tools like Failure Mode and Effect Analysis, Root Cause Analysis, and Criticality Matrix. To explain activities of maintenance planning with focus on shutdown planning, human resources development, and tools employed for monitoring. To emphasize management functions such as procurement of spares, measurement of maintenance effectiveness, etc. To give an overview of project management tools such as PERT etc. To introduce computerized maintenance management systems. To explain the basics of hazard analysis and fault tree analysis. Review questions in each chapter, worked-out examples wherever applicable, case studies and an exclusive appendix on “Selected Questions and Answers” are all designed to provoke critical thinking. This text is suitable for undergraduate and postgraduate courses in Maintenance Engineering taught in the department of mechanical engineering in almost all universities.

Many readers already regard the Maintenance Planning and Scheduling Handbook as the chief authority for establishing effective maintenance planning and scheduling in the real world. The second edition adds new sections and further develops many existing discussions to make the handbook more comprehensive and helpful. In addition to practical observations and tips on such topics as creating a weekly schedule, staging parts and tools, and daily scheduling, this second edition features a greatly expanded CMMS appendix which includes discussion of critical cautions for implementation, patches, major upgrades, testing, training, and interfaces with other company software. Readers will also find a timely appendix devoted to judging the potential benefits and risks of outsourcing plant work. A new appendix provides guidance on the "people side" of maintenance planning and work execution. The second edition also has added a detailed aids and barriers analysis that improves the appendix on setting up a planning group. The new edition also features "cause maps" illustrating problems with a priority systems and schedule compliance. These improvements and more continue to make the Maintenance Planning and Scheduling Handbook a maintenance classic.

This book comprises select peer-reviewed contributions from the 6th International Conference on Production and Industrial Engineering (CPIE – 2019). The volume focuses on latest research in the field of Industrial and Systems Engineering, and its allied areas. Articles on variety of topics such as Human Factors Engineering, Lean Manufacturing, Six Sigma, Logistics and Supply Chain Management, Operations Research, Quality Engineering, Measurement and Control, Reliability and Maintenance Engineering, Green Supply Chain Management, Modelling and Simulation, Sustainability, Technology Management, Agile and Flexible Manufacturing, Technology Management and Computer Aided Manufacturing are discussed in this book. Given the range of topics covered, the book will be useful for students, researchers, and professionals interested in different areas of Industrial and Systems Engineering.

Career success for engineers who wish to move up the management ladder, requires more than an understanding of engineering and technological principles - it demands a profound understanding of today's business management issues and principles. In this unique book, the author provides you with a valuable understanding of contemporary management concepts and their applications in a technical organization. You get in-depth coverage of product selection and management, engineering design and product costing, concurrent engineering, value management, configuration management, risk management, reengineering strategies and benefits, managing creativity and innovation, information technology management, and software management. The large number of solved examples highlighted throughout the text underscore the value of this book as an indispensable "How To" manual, and library reference piece.

In the age of industrialisation having main focus on increased production, higher productivity, stringent quality, minimizing cost etc., it has become essential to have more knowledge on industrial safety and various hazards with their remedial measures. Maintenance aspects are also gaining importance, as they have substantial impact on production, productivity, workers safety and their health and working environment. Neglect of safety in an industry at any stage, from concept to design, erection, commissioning, operation and maintenance of plant and

machinery may lead to loss of life, production and money. It is hoped that this book will be very useful for the engineering student and professionals. The book covers the AICTE model curriculum and the syllabii of various other Indian university on the subject.

Today, engineering systems are an important element of the world economy and each year billions of dollars are spent to develop, manufacture, operate, and maintain various types of engineering systems around the globe. Many of these systems are highly sophisticated and contain millions of parts. For example, a Boeing jumbo 747 is made up of approximately 4.5 million parts including fasteners. Needless to say, reliability, safety, and maintenance of systems such as this have become more important than ever before. Global competition and other factors are forcing manufacturers to produce highly reliable, safe, and maintainable engineering products. Therefore, there is a definite need for the reliability, safety, and maintenance professionals to work closely during design and other phases. Engineering Systems Reliability, Safety, and Maintenance: An Integrated Approach eliminates the need to consult many different and diverse sources in the hunt for the information required to design better engineering systems.

Authors have attempted to create coherent chapters and sections on how the fundamentals of maintenance cost should be organized, to present them in a logical and sequential order. Necessarily, the text starts with importance of maintenance function in the organization and moves to life cycle cost (LCC) considerations followed by the budgeting constraints. In the process, they have intentionally postponed the discussion about intangible costs and downtime costs later on in the book mainly due to the controversial part of it when arguing with managers. The book will be concluding with a short description of a number of sectors where maintenance cost is of critical importance. The goal is to train the readers for a deeper study and understanding of these elements for decision making in maintenance, more specifically in the context of asset management. This book is intended for managers, engineers, researchers, and practitioners, directly or indirectly involved in the area of maintenance. The book is focused to contribute towards better understanding of maintenance cost and use of this knowledge to improve the maintenance process. Key Features: • Emphasis on maintenance cost and life cycle cost especially under uncertainty. • Systematic approach of how cost models can be applied and used in the maintenance field. • Compiles and reviews existing maintenance cost models. • Consequential and direct costs considered. • Comparison of maintenance costs in different sectors, infrastructure, manufacturing, transport.

Stay Up to Date on the Latest Issues in Maintenance Engineering The most comprehensive resource of its kind, Maintenance Engineering Handbook has long been a staple for engineers, managers, and technicians seeking current advice on everything from tools and techniques to planning and scheduling. This brand-new edition brings you up to date on the most pertinent aspects of identifying and repairing faulty equipment; such dated subjects as sanitation and housekeeping have been removed. Maintenance Engineering Handbook has been advising plant and facility professionals for more than 50 years. Whether you're new to the profession or a practiced veteran, this updated edition is an absolute necessity. New and updated sections include: Belt Drives, provided by the Gates Corporation Repair and Maintenance Cost Estimation Ventilation Fans and Exhaust Systems 10 New Chapters on Maintenance of Mechanical Equipment Inside: • Organization and Management of the Maintenance Function • Maintenance Practices • Engineering and Analysis Tools • Maintenance of Facilities and Equipment • Maintenance of Mechanical Equipment • Maintenance of Electrical Equipment • Instrumentation and Reliability Tools • Lubrication • Maintenance Welding • Chemical Corrosion Control and Cleaning Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The industry-standard resource for maintenance planning and scheduling—thoroughly revised for the latest advances Written by a Certified Maintenance and Reliability Professional (CMRP) with more than three decades of experience, this resource provides proven planning and scheduling strategies that will take any maintenance organization to the next level of performance. The book resolves common industry frustration with planning and reduces the complexity of scheduling in addition to dealing with reactive maintenance. You will find coverage of estimating labor hours, setting the level of plan detail, creating practical weekly and daily schedules, kitting parts, and more, all designed to increase your workforce without hiring. Much of the text applies the timeless management principles of Dr. W. Edwards Deming and Dr. Peter F. Drucker. You will learn how you can do more proactive work when your hands are full of reactive work.

Maintenance Planning and Scheduling Handbook, Fourth Edition, features more new case studies showing real world successes, a new chapter on getting better storeroom support, major revisions that describe the best KPIs for planning, major additions to the issue of “selling” planning to gain support, revisions to make work order codes more useful, a new appendix on numerically auditing planning success, and a new appendix devoted entirely to selecting a great maintenance planner. Maintenance Planning and Scheduling Handbook, Fourth Edition covers: •The business case for the benefit of planning •Planning principles •Scheduling principles •Handling reactive maintenance •Planning a work order •Creating a weekly schedule•Daily scheduling and supervision •Parts and planners•The computer CMMS in maintenance•How planning works with PM, PdM, and projects •Controlling planning: the best KPIs KPIs for planning and overall maintenance •Shutdown, turnaround, overhaul, and outage management •Selling, organizing, analyzing, and auditing planning

Thoroughly revised to include the latest industry developments, the Second Edition presents a comprehensive overview of computer validation and verification principles and how to put them into practice. To provide the current best practice and guidance on identifying and implementing improvements for computer systems, the text extensively reviews r

The demands of the global economy require manufacturers to produce highly reliable and easily maintainable engineering products. Recent studies indicate that for many large and sophisticated products or systems, maintenance, and support account for as much as 60 to 75 percent of their life cycle costs. Therefore, the role of maintainability, mainte

The International Conference on Industrial Engineering and Engineering Management is sponsored by the Chinese Industrial Engineering Institution, CMES, which is the only national-level academic society for Industrial Engineering. The conference is held annually as the major event in this arena. Being the largest and the most authoritative international academic conference held in China, it provides an academic platform for experts and entrepreneurs in the areas of international industrial engineering and management to exchange their research findings. Many experts in various fields from China and around the world gather together at the conference to review, exchange, summarize and promote their achievements in the fields of industrial engineering and engineering management. For example, some experts pay special attention to the current state of the application of related techniques in China as well as their future prospects, such as green product design, quality control and management, supply chain and logistics management to address the need for, amongst other things low-carbon, energy-saving

and emission-reduction. They also offer opinions on the outlook for the development of related techniques. The proceedings offers impressive methods and concrete applications for experts from colleges and universities, research institutions and enterprises who are engaged in theoretical research into industrial engineering and engineering management and its applications. As all the papers are of great value from both an academic and a practical point of view, they also provide research data for international scholars who are investigating Chinese style enterprises and engineering management.

Successful engineering projects require a clear vision and long term strategy. Therefore, effective business initiatives have been applied to the engineering environment in order to enhance its management perspectives. Business Strategies and Approaches for Effective Engineering Management brings together the latest methodologies, principles, practices, and tools for engineering management. By providing theoretical analysis and practical applications, this book is a useful reference for industry experts, researchers, and academicians regarding progressive strategies for successful management.

This book provides an up-to-date description of road maintenance management. Written primarily from a management perspective, it provides new insights into the relationship between the various functions involved in managing a modern road network. It has been developed based on the experience of project work in this field carried out in a number of countries. The text provides a framework for considering aspects of management, such as policy formulation, network considerations, staff responsibilities, level of data detail, cost estimating methods, and others, that relate to four basic management functions: planning, programming, preparation, and operations.

A practical, step-by-step guide to total systems management Systems Engineering Management, Fifth Edition is a practical guide to the tools and methodologies used in the field. Using a "total systems management" approach, this book covers everything from initial establishment to system retirement, including design and development, testing, production, operations, maintenance, and support. This new edition has been fully updated to reflect the latest tools and best practices, and includes rich discussion on computer-based modeling and hardware and software systems integration. New case studies illustrate real-world application on both large- and small-scale systems in a variety of industries, and the companion website provides access to bonus case studies and helpful review checklists. The provided instructor's manual eases classroom integration, and updated end-of-chapter questions help reinforce the material. The challenges faced by system engineers are candidly addressed, with full guidance toward the tools they use daily to reduce costs and increase efficiency. System Engineering Management integrates industrial engineering, project management, and leadership skills into a unique emerging field. This book unifies these different skill sets into a single step-by-step approach that produces a well-rounded systems engineering management framework. Learn the total systems lifecycle with real-world applications Explore cutting edge design methods and technology Integrate software and hardware systems for total SEM Learn the critical IT principles that lead to robust systems Successful systems engineering managers must be capable of leading teams to produce systems that are robust, high-quality, supportable, cost effective, and responsive. Skilled, knowledgeable professionals are in demand across engineering fields, but also in industries as diverse as healthcare and communications. Systems Engineering Management, Fifth Edition provides practical, invaluable guidance for a nuanced field.

Principles of Economics and Management for Manufacturing Engineering combines key engineering economics principles and applications in one easy to use reference. Engineers, including design, mechanical, and manufacturing engineers are frequently involved in economics-related decisions, whether directly when selecting materials or indirectly when managers make order quantity decisions based on their work. Having a knowledge of the management and economic activities that touch on engineering work is a core part of most foundational engineering qualifications and becomes even more important in industry. Covering a wide range of management and economic topics from the point-of-view of an engineer in industry, this reference provides everything needed to understand the commercial context of engineering work. Covers the full range of basic economic concepts as well as engineering economics topics Includes end of chapter questions and chapter summaries that make this an ideal self-study resource Provides step-by-step instructions for cost accounting for engineers

For the past several decades, systems engineering has grown rapidly in its scope and application and shown significant benefits for the design of large, complex systems. However, current systems engineering textbooks are either too technical or at a high conceptual level. Written by an expert with more than ten years of teaching experience, Systems Engineering: Design Principles and Models not only gives students exposure to the concepts of systems and systems engineering, but also provides enough technical expertise for them to immediately use and apply what they learn. The book covers systems and systems engineering, systems methods, models, and analytical techniques as well as systems management and control methods. It discusses systems concepts, emphasizing system life cycle, and includes coverage of systems design processes and the major activities involved. It offers hands-on exercises after each chapter, giving students a solid understanding of system requirements, and uses a software package (CORE) to introduce the requirement management process. Designed for readers with a wide range of backgrounds, the book enables students to learn about systems and systems engineering, and, more specifically, to be able to use and apply the models and methods in the systems engineering field. The author has integrated feedback from students with materials used in teaching for many years, making the book especially approachable to non-engineering students with no prior exposure to this subject. Engineering students, on the other hand, will also benefit from the clear, concise coverage this book provides as well as the relevant analysis models and techniques.

This book provides the guidelines and fundamental methods of estimation and calculation needed by maintainability engineers. It also covers the management of maintainability efforts, including issues of organizational structure, cost, and planning processes. Questions and problems conclude each chapter.

Recent advancements in information systems and computer technology have led to developments in equipment and robotic technology that have permanently changed the characteristics of manufacturing equipment. Equipment Management in the Post-Maintenance Era: Advancing in the Era of Smart Machines introduces a new way of thinking to help high-tech organizations manage an increasingly complex equipment base. It also facilitates the fundamental understanding of equipment management those in traditional industries will need to prepare for the emerging microchip era in equipment. Kern Peng shares insights gained through decades of managing equipment performance. Using a systems model to analyze equipment management, he introduces alternatives in equipment management that are currently gaining momentum in high-tech industries. The book highlights the fundamental internal flaw in maintenance organizational setup, presents new approaches to replace maintenance functional setup, and illustrates a time-tested transformation and implementation process to help transition your organization from the maintenance era to the new post-maintenance era. Fundamentally, it: Breaks down the history of equipment into five phases, Provides a clear understanding of equipment management fundamentals, and Introduces alternatives in equipment management beyond the mainstream principles of maintenance management. More specifically, the book examines maintenance management logistics, including planning and budgeting; training and people development; customer services and management; vendor management; and inventory management. Supplying a comprehensive look at the history of equipment management, it analyzes current maintenance practice and details approaches that can significantly improve the effectiveness and efficiency of your equipment management well into the future. This second edition addresses the role of the development of the Internet of Things (IoT) and significant advancements in artificial intelligence (AI) and machine learning (ML) in enabling a new generation of smart machines, which have in turn laid the foundation for Industry 4.0. Equipment utilizing IoT and sensors can monitor components and allow them to be serviced at an exact time without the need for a preventive maintenance schedule. Moreover, equipment replacement rarely occurs at the end of

the piece of equipment's natural life; rather, replacement is driven by the introduction of new technologies and products, all of which lead to less maintenance activities and reduces the importance of the traditional maintenance function. Maintenance departments today operate with fewer employees and smaller budgets. At a point when machines are smart enough to keep themselves running or equipment is rendered obsolete by better equipment in a short time, such as with computers and cellphones, companies do not need a maintenance department. This updated edition reiterates the importance of transitioning to the post-maintenance era to effectively manage today's sophisticated, smart yet expensive equipment. Many changes the author predicted a decade ago are accelerating in the IoT era. Equipment management is moving further away from the maintenance era and advancing deeper into the post-maintenance era. The trend for smart machines is very clear and companies that do not upgrade their equipment will lose their competitiveness. As equipment and factories become smarter, companies must change their practices and organizational structures to manage the new generation of equipment for Industry 4.0.

Handbook of Maintenance Management and Engineering Springer Science & Business Media

Of the more than \$300 billion spent on plant maintenance and operations, U.S. industry spends as much as 80 percent of this amount to correct chronic failures of machines, systems, and people. With machines and systems becoming increasingly complex, this problem can only worsen, and there is a clear and pressing need to establish comprehensive equipment management. Total Quality Management: Key Concepts and Case Studies provides the full range of management principles and practices that govern the quality function. The book covers the fundamentals and background needed, as well as industry case studies and comprehensive topic coverage, making it an invaluable reference to both the novice and the more experienced individual. Aspects of quality control that are widely utilized in practice are combined with those that are commonly referred to on University courses, and the latest developments in quality concepts are also presented. This book is an ideal quick reference for any manager, designer, engineer, or researcher interested in quality. Features two chapters on the latest ISO standards Includes an introduction to statistics to help the reader fully grasp content on statistical quality control Contains case studies that explore many TQM themes in real life situations Recent advancements in information systems and computer technology have led to developments in equipment and robotic technology that have permanently changed the characteristics of manufacturing equipment. Equipment Management in the Post-Maintenance Era: A New Alternative to Total Productive Maintenance (TPM) introduces a new way of thinking to help high-tech organizations manage an increasingly complex equipment base. It also facilitates the fundamental understanding of equipment management those in traditional industries will need to prepare for the emerging microchip era in equipment. Kern Peng shares insights gained through decades of managing equipment performance. Using a systems model to analyze equipment management, he introduces alternatives in equipment management that are currently gaining momentum in high-tech industries. The book highlights the fundamental internal flaw in maintenance organizational setup, presents new approaches to replace maintenance functional setup, and illustrates a time-tested transformation and implementation process to help transition your organization from the maintenance era to the new post-maintenance era. Breaks down the history of equipment into five phases Provides a clear understanding of equipment management fundamentals Introduces alternatives in equipment management beyond the mainstream principles of maintenance management The book examines maintenance management logistics, including planning and budgeting, training and people development, customer services and management, vendor management, and inventory management. Supplying a comprehensive look at the history of equipment management, it analyzes current maintenance practice and details approaches that can significantly improve the effectiveness and efficiency of your equipment management well into the future.

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