

Examples of Maintenance KPIs



Enhance labor efficiency for scheduled maintenance activities by 20 percent in six months



Decrease unexpected downtime by 25 percent within the next twelve months



Achieve over 90 percent accuracy in inventory management within four months



Reduce work requests by 30 percent in the next six months



Reduce energy usage by 15 percent by the end of the year

Measuring The Performance Of Maintenance Department

AW Chickering



Measuring The Performance Of Maintenance Department:

Asset Maintenance Management Alan Wilson, 2002 Edited by an expert in the maintenance field this wide ranging reference includes in depth contributions from leading professionals consultants university instructors and experts in specific maintenance techniques It provides companies with the methods strategies and practices that will help efficiently and effectively direct and shape their asset management operations *Handbook of Maintenance Management and Engineering* Mohamed Ben-Daya, Salih O. Duffuaa, Abdul Raouf, Jezdimir Knezevic, Daoud Ait-Kadi, 2009-07-30 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 *Measurement of Facilities Management Performance in Ghana's Public Hospitals* Daniel Amos, Cheong Peng Au-Yong, Zairul Nisham Musa, 2020-11-23 This book presents the concept of healthcare facilities management performance measurement HCFMPM using Ghana as a case study It set forth in depth theoretical and empirical underpinnings of performance measurement concepts for hospital facilities services with the view to demonstrate critical performance dimensions to improve FM contributions and added value to healthcare delivery The research approach adopted is mixed method encompassing qualitative interviews in case study setting and a questionnaire survey of sampled hospitals in Ghana The book presents a number of useful tables graphs as well as a pedagogic illustration of statistical analysis which are useful in understanding the concepts under reference It develops a structural equation model for performance measurement of FM services The book is of relevance to healthcare managers facilities management practitioners and academics towards measuring and improving FM performance in hospitals Although the data used in the analysis is based on the case study country Ghana the result is by extension useful to several developing countries faced with the challenge to improve FM services delivery in public hospitals as well as other facilities management sectors **Maintenance Audits Handbook**

Diego Galar Pascual,Uday Kumar,2016-04-06 This book addresses issues and challenges of performance measurement in the maintenance function It presents a proposal of indicators with a framework that classifies and sorts regarding functional and hierarchical aspects The book has been developed with different aspects of traditional literature i e several frameworks or natural groupings like BSC Balanced Scorecard Multicriteria framework Neely Prism and adaptation of these frameworks Hierarchies for the use of indicators and benchmark values are provided to allow quantification comparison and emission of recommendations *How to Measure Managerial Performance* Richard S. Sloma,1999

Maintenance Engineering and Management Mr. Rohit Manglik,2023-06-23 Explores maintenance strategies and management for ensuring equipment reliability and operational efficiency *COMPREHENSIVE MAINTENANCE MANAGEMENT* A. D. TELANG,AMIT TELANG,2010-02-16 Maintenance has become one of the most important aspects of industrial activities It directly affects quality productivity profit safety and environment This compact yet comprehensive book deals with almost all the maintenance systems available in literature These systems are divided into groups and subgroups and the text gives for better understanding a comparison of these on the basis of their advantages and disadvantages Besides the text discusses the methods of selecting a maintenance system for industrial plants as well as for individual equipment It focuses on the policies strategies and options that can be adopted for selecting a proper maintenance system KEY FEATURES Presents the maintenance system in the form of a simple and logical flow chart that is easy to understand follow and use Discusses Total Productive Maintenance TPM Reliability Centred Maintenance RCM and Quality Maintenance QM Describes the various systems along with explanation comparison and stages The book is intended for undergraduate and postgraduate students of Engineering Mechanical Industrial and Production Engineering and postgraduate students of management In addition practising managers should find the book quite useful

A Maintenance Management Framework for Municipal Buildings in Developing Economies Babatunde Fatai Ogunbayo,Clinton Aigbavboa,Wellington Thwala,2023-02-03 The central aim of this book is to investigate and develop frameworks to aid effective maintenance management of municipal buildings in the education sector of developing economies Using the South African education sector as a case study this book provides readers with two major practical insights Firstly it focuses on the theoretical underpinnings of maintenance management research and introduces a maintenance management model through the development of a conceptual framework This framework aids in explaining the factors underpinning the maintenance of municipal buildings but can also be used in the assessment and management of other public buildings Secondly the book highlights and addresses theoretical gaps in existing studies essential for the maintenance management of buildings in developing economies providing a stimulus for future research The book will be of interest to researchers in construction management building technology estate management civil engineering architecture and urban and regional planning It is an essential manual for policymakers in the education sector built environment construction industry facility maintenance facility management and consultants at

government ministries departments and agencies MDAs charged with maintenance management of public infrastructures and assets

Handbook of Public Quality Management Stupak/Leitner,2001-03-22 Exploring a variety of methods for improving the economic performance of organizations this multidisciplinary text covers macro and micro perspectives while considering strategic planning systematic process analysis leadership studies group dynamics and human motivation theories It highlights quality of relationships as a guiding principle within the framework of public administration and stresses customer client and stakeholder satisfaction With over 1000 literature references tables drawings and equations and appendices of laws and regulations the book responds to the mandate for high performance and increased productivity

Managing and Measuring Performance in Public and Nonprofit Organizations Theodore H. Poister,Maria P. Aristigueta,Jeremy L. Hall,2014-08-28 New edition of a classic guide to ensuring effective organizational performance Thoroughly revised and updated the second edition of *Managing and Measuring Performance in Public and Nonprofit Organizations* is a comprehensive resource for designing and implementing effective performance management and measurement systems in public and nonprofit organizations The ideas tools and processes in this vital resource are designed to help organizations develop measurement systems to support such effective management approaches as strategic management results based budgeting performance management process improvement performance contracting and much more The book will help readers identify outcomes and other performance criteria to be measured tie measures to goals and objectives define and evaluate the worth of desired performance measures and analyze process report and utilize data effectively Includes significant updates that offer a more integrated approach to performance management and measurement Offers a detailed framework and instructions for developing and implementing performance management systems Shows how to apply the most effective performance management principles Reveals how to overcome the barriers to effective performance management *Managing and Measuring Performance in Public and Nonprofit Organizations* identifies common methodological and managerial problems that often confront managers in developing performance measurement systems and presents a number of targeted strategies for the successful implementation of such systems in public and nonprofit organizations This must have resource will help leaders reach their organizational goals and objectives

Asset

Management Excellence John D. Campbell,Andrew K.S. Jardine,Joel McGlynn,2016-04-19 During the eight years since the publication of *Maintenance Excellence Optimizing Equipment Life Cycle Decisions* the business environment has changed drastically Globalization consolidation and changes in technology challenge asset management and maintenance professionals to be more efficient Globalization and consolidation have been particula

Introduction to Built Asset Management Anthony Higham,Jason Challender,Greg Watts,2022-01-25 *Introduction to Built Asset Management* Provides a multidisciplinary introduction to building maintenance management and execution covering a wide range of current technical and management issues The maintenance and upgrading of existing buildings is no longer viewed as separate from the

operational phase of the completed building Maintenance and management are now regarded as fundamental parts of a building's life cycle forming a significant percentage of the construction industry's total output As higher education programmes in the UK and elsewhere continue to place greater emphasis on the longer term view of construction projects students and instructors require a thorough and up to date textbook that emphasises the comprehensive nature of building maintenance Introduction to Built Asset Management is a systematic introduction to both the technology and management issues central to building maintenance and refurbishment Covering the entire life cycle of built assets the textbook reviews the role of framework agreements describes key performance indicators discusses recent advancements in the procurement of maintenance activities and more Detailed yet accessible chapters include illustrative examples seminar questions and self assessment tasks that enable students to measure their progress as they work through the material Designed to meet the needs of today's learners this much needed textbook Addresses a variety of both environmental and commercial concerns Evaluates important concepts of sustainability sustainable maintenance and carbon resilience Discusses the growing retrofit market in the wider context of asset management and maintenance Describes information management tools such as building information modelling BIM and geographic information systems GIS Introduction to Built Asset Management is ideally suited for courses in construction construction management building surveying and facilities management with modules in built asset management and maintenance

Optimum Decision Making in Asset Management Carnero, María Carmen, González-Prida, Vicente, 2016-08-24 Asset management is becoming increasingly important to an organization's strategy given its effects on cost production and quality No matter the sector important decisions are made based on techniques and theories that are thought to optimize results asset management models and techniques could help maximize effectiveness while reducing risk Optimum Decision Making in Asset Management posits that effective decision making can be augmented by asset management based on mathematical techniques and models Resolving the problems associated with minimizing uncertainty this publication outlines a myriad of methodologies procedures case studies and management tools that can help any organization achieve world class maintenance This book is ideal for managers manufacturing engineers programmers academics and advanced management students

Performance Measurement in the Dutch Social Rented Sector M. J. Koopman, Henk-Jan van Mossel, Ad Straub, 2008 Addresses the societal and practical needs of housing associations in order to develop better instruments for performance measurement This book features a range of examples that are related to the public tasks of Dutch housing association It ascertains a general guideline for performance management by housing associations

Maintenance management and service contracts for housing managers United States. Department of Housing and Urban Development. Office of Policy Development and Research, 1980

Certified Professional Maintenance Manager Review Pack Monte Anderson, CHFM, CPE, CPMM, Larry K. Beck, Principal, Lane Pierce, CPE, CPMM, Jim Taylor, CPE, CPMM, Robert M. Williamson, CPMM, Wayne P. Saya, CPE,

CPMM, Stephen W. Nicholas, CAFS, Dennis M. Hydrick, CPE, CPMM, Joel Levitt, CPMM, CRL, Larry G. DeVries, CPMM, Darren Eskin, CPMM, Tim Trout, CPMM, Terry Wireman, CPMM, Larry Ross, P.E., CPE, Edward F. Gagnon, CEA, CEM, CPE, CPMM, CPS, Kenneth Walker, CPMM, CPS, Larson Wood, CPMM, Rene Hernandez, CPMM, CPS, Stephen Brown, CPE, 2020-01-22 Both plant facilities maintenance professionals and property management executives must confront a wide variety of complex issues. Therefore, they must possess an extensive knowledge of the many facets of maintenance management. Earning the Certified Professional Maintenance Manager credential will indicate to both your employer and industry officials that you possess in-depth expertise in plant and facilities maintenance management. The CPMM program is updated annually to keep it on the cutting edge of techniques and technologies in maintenance management.

Closing the Knowledge Gap for Transit Maintenance Employees David Finegold, Transit Cooperative Research Program, 1998. This report presents guidelines on evaluating and implementing strategies to improve the skills of the transit industry's maintenance workforce in order to keep pace with evolving technology. The report is intended to help maintenance departments develop highly skilled high performance work organizations. Research was undertaken by Rand Corporation to assess technological demands, document current practices, and examine and propose new approaches to link maintenance staffing practices with evolving technology to improve effectiveness. The areas addressed in the research included the range of programs currently in place, differences and similarities in current practice, analysis of major pitfalls and keys to success, an examination of vendor roles and responsibilities in training, and the effect of labor relations and work rules.

Performance Measures and Targets for Transportation Asset Management Cambridge Systematics, National Cooperative Highway Research Program, Parsons Brinckerhoff, 2006. *Advances in Bridge Maintenance, Safety Management, and Life-Cycle Performance, Set of Book & CD-ROM* Paulo J. da Sousa Cruz, Dan M. Frangopol, Luis C. Canhoto Neves, 2015-03-02. Advances in bridge maintenance safety management and life cycle performance contains the papers presented at IABMAS 06 the Third International Conference of the International Association for Bridge Maintenance and Safety IABMAS held in Porto Portugal from 16 to 19 July 2006. All major aspects of bridge maintenance management, safety, and cost.

Developing Performance Indicators for Managing Maintenance Terry Wireman, 2005. This unique reference utilizes techniques based on other management measurement systems such as the balanced scorecard. It also presents a maturing of measurement technique for maintenance and asset maintenance and development techniques allowing companies to be competitive into the future.

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