

FREE READING MAINTENANCE AND SPARE PARTS MANAGEMENT FULL PDF

THIS WELL RECEIVED TEXT DESIGNED FOR THE STUDENTS OF MBA BTECH MECHANICAL ENGINEERING AND INDUSTRIAL AND PRODUCTION ENGINEERING AND MTECH INDUSTRIAL ENGINEERING AND MANAGEMENT HAS BEEN REVISED AND REORGANIZED IN ITS SECOND EDITION THE BOOK DIVIDED INTO SIX SECTIONS DEALS WITH THE CONCEPTS OF CORE MAINTENANCE AND RELATED AUXILIARY FUNCTIONS CORE SPARES ISSUES RELATED AUXILIARY SPARES FUNCTIONS CASELETS AND POLICY CASES THIS RESEARCH BASED STUDY ATTEMPTS TO IMPART A COMPREHENSIVE KNOWLEDGE OF MAINTENANCE AND SPARE PARTS MANAGEMENT PARTICULARLY IN THE INDIAN CONTEXT ILLUSTRATIONS TABLES CASELETS CASES AND PRESENTATION OF SEVERAL TOPICS IN A Z POINTS ADD PEDAGOGIC VALUE TO THE TEXT WHAT WOULD HAPPEN IF SPARE PARTS MANAGEMENT WEREN T DONE IS THE SPARE PARTS MANAGEMENT PROCESS SEVERELY BROKEN SUCH THAT A RE DESIGN IS NECESSARY WHAT ARE YOUR KEY SPARE PARTS MANAGEMENT ORGANIZATIONAL PERFORMANCE MEASURES INCLUDING KEY SHORT AND LONGER TERM FINANCIAL MEASURES HOW CAN YOU MEASURE SPARE PARTS MANAGEMENT IN A SYSTEMATIC WAY HOW TO SECURE SPARE PARTS MANAGEMENT THIS EXTRAORDINARY SPARE PARTS MANAGEMENT SELF ASSESSMENT WILL MAKE YOU THE TRUSTED SPARE PARTS MANAGEMENT DOMAIN ADVISER BY REVEALING JUST WHAT YOU NEED TO KNOW TO BE FLUENT AND READY FOR ANY SPARE PARTS MANAGEMENT CHALLENGE HOW DO I REDUCE THE EFFORT IN THE SPARE PARTS MANAGEMENT WORK TO BE DONE TO GET PROBLEMS SOLVED HOW CAN I ENSURE THAT PLANS OF ACTION INCLUDE EVERY SPARE PARTS MANAGEMENT TASK AND THAT EVERY SPARE PARTS MANAGEMENT OUTCOME IS IN PLACE HOW WILL I SAVE TIME INVESTIGATING STRATEGIC AND TACTICAL OPTIONS AND ENSURING SPARE PARTS MANAGEMENT COSTS ARE LOW HOW CAN I DELIVER TAILORED SPARE PARTS MANAGEMENT ADVICE INSTANTLY WITH STRUCTURED GOING FORWARD PLANS THERE S NO BETTER GUIDE THROUGH THESE MIND EXPANDING QUESTIONS THAN ACCLAIMED BEST SELLING AUTHOR GERARD BLOKDYK BLOKDYK ENSURES ALL SPARE PARTS MANAGEMENT ESSENTIALS ARE COVERED FROM EVERY ANGLE THE SPARE PARTS MANAGEMENT SELF ASSESSMENT SHOWS SUCCINCTLY AND CLEARLY THAT WHAT NEEDS TO BE CLARIFIED TO ORGANIZE THE REQUIRED ACTIVITIES AND PROCESSES SO THAT SPARE PARTS MANAGEMENT OUTCOMES ARE ACHIEVED CONTAINS EXTENSIVE CRITERIA GROUNDED IN PAST AND CURRENT SUCCESSFUL PROJECTS AND ACTIVITIES BY EXPERIENCED SPARE PARTS MANAGEMENT PRACTITIONERS THEIR MASTERY COMBINED WITH THE EASY ELEGANCE OF THE SELF ASSESSMENT PROVIDES ITS SUPERIOR VALUE TO YOU IN KNOWING HOW TO ENSURE THE OUTCOME OF ANY EFFORTS IN SPARE PARTS MANAGEMENT ARE MAXIMIZED WITH PROFESSIONAL RESULTS YOUR PURCHASE INCLUDES ACCESS DETAILS TO THE SPARE PARTS MANAGEMENT SELF ASSESSMENT DASHBOARD DOWNLOAD WHICH GIVES YOU YOUR DYNAMICALLY PRIORITIZED PROJECTS READY TOOL AND SHOWS YOU EXACTLY WHAT TO DO NEXT YOUR EXCLUSIVE INSTANT ACCESS DETAILS CAN BE FOUND IN YOUR BOOK OVERVIEW NO PREVIOUS WORKS HAVE FOCUSED ON THE TOPIC OF INVENTORY REDUCTION AND OPTIMIZATION TO THE EXTENT THAT THIS ONE DOES SPARE PARTS INVENTORY MANAGEMENT A COMPLETE GUIDE TO SPARESOLOGY TM BY PHILIP SLATER COVERS THE WHOLE PART S LIFE CYCLE FROM INITIAL PURCHASE TO FINAL DISPOSAL AND ADDRESSES ISSUES THROUGHOUT INCLUDING MAINTENANCE REPAIR AND OVERHAUL MRO THE AUTHOR PHILLIP SLATER WAS DESCRIBED IN A RECENT PODCAST AS TRULY ONE OF THE LEADERS IN THE MRO INFORMATION SEGMENT SPARESOLOGY IS A TERM COINED BY SLATER TO DESCRIBE THE DISCIPLINE OF OPTIMIZING THE PHYSICAL FINANCIAL AND HUMAN RESOURCE MANAGEMENT PROCESSES OF SPARE PARTS INVENTORY MANAGEMENT SPARESOLOGY IS MUCH MORE THAN JUST INVENTORY OPTIMIZATION IT INVOLVES AN UNDERSTANDING OF THE COMPLETE ECOSYSTEM WITHIN WHICH THE SPARE PARTS INVENTORY IS MANAGED AND SEEKS TO ENSURE THAT ALL OF THE FACTORS INFLUENCING THIS MANAGEMENT WORK TOGETHER TO ACHIEVE AN ORGANIZATION S GOALS THIS BOOK FOCUSES ON THE TACTICAL PLANNING LEVEL FOR SPARE PARTS MANAGEMENT IT DESCRIBES A SERIES OF MULTI ITEM INVENTORY MODELS AND PRESENTS EXACT AND HEURISTIC OPTIMIZATION METHODS INCLUDING GREEDY HEURISTICS THAT WORK WELL FOR REAL LIFE SIZED PROBLEMS THE INTENDED AUDIENCE CONSISTS OF GRADUATE STUDENTS STARTING SCHOLARS IN THE FIELD OF SPARE PARTS INVENTORY CONTROL AND SPARE PARTS PLANNING SPECIALISTS IN THE INDUSTRY IN INDIVIDUAL CHAPTERS THE AUTHORS CONSIDER TOPICS INCLUDING A BASIC SINGLE LOCATION MODEL SINGLE LOCATION MODELS WITH MULTIPLE MACHINE TYPES AND OR MACHINE GROUPS THE MULTI LOCATION MODEL WITH LATERAL TRANSSHIPMENTS THE CLASSICAL METRIC MODEL AND ITS GENERALIZATION TO MULTI INDENTURE SYSTEMS AND A SINGLE LOCATION MODEL WITH AN EXPLICIT MODELING OF THE REPAIR CAPACITY FOR FAILED PARTS AND THE PRIORITIES THAT ONE CAN SET THERE VARIOUS CHAPTERS OF THE BOOK ARE USED IN A MASTER COURSE AT EINDHOVEN UNIVERSITY OF TECHNOLOGY AND IN A PHD COURSE OF THE GRADUATE PROGRAM OPERATIONS MANAGEMENT AND LOGISTICS A DUTCH NETWORK THAT ORGANIZES PHD COURSES IN THE FIELD OF OM L THE REQUIRED PRE KNOWLEDGE CONSISTS OF PROBABILITY THEORY AND BASIC KNOWLEDGE OF MARKOV PROCESSES AND QUEUING THEORY END OF CHAPTER PROBLEMS APPEAR FOR ALL CHAPTERS WITH SOME ANSWERS APPEARING IN AN APPENDIX ENGINEERS AND RELIABILITY PROFESSIONALS ARE INCREASINGLY BEING HELD ACCOUNTABLE FOR MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT AND IN RESPONSE THEY NEED TO GAIN A BETTER UNDERSTANDING OF MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT PRINCIPLES AND PRACTICES THIS PRACTICAL BOOK DELIVERS JUST THAT THIS NEW EDITION WILL HELP YOU GET THE RIGHT PARTS IN THE RIGHT PLACE AT THE RIGHT TIME FOR THE RIGHT REASON FULLY REVISED IT PROVIDES SPECIFIC COVERAGE OF THE ISSUES FACED IN AND REQUIREMENTS FOR MANAGING ENGINEERING MATERIALS AND SPARE PARTS AND WHAT TO DO TO IMPROVE YOUR RESULTS IT INCLUDES 29 EXCLUSIVE EXAMPLES AND REAL LIFE CASE STUDIES TO DEMONSTRATE THE APPLICATION OF THE CONCEPTS AND IDEAS SO THAT YOU WILL EASY AND QUICKLY UNDERSTAND HOW TO IMPLEMENT THEM WHAT S MORE IT WILL SHOW YOU WHAT TO DO TO TRULY OPTIMIZE YOUR INVENTORY HOLDINGS WHY INVENTORY LEVELS ARE ALMOST ALWAYS TOO HIGH HOW TO IDENTIFYING THE FACTORS THAT HAVE GREATEST IMPACT ON YOUR INVENTORY LEVELS WHEN TO APPLY THE 7 ACTIONS FOR INVENTORY REDUCTION WHERE TO FOCUS YOUR EFFORTS FOR GREATEST EFFECT AND WHO TO INVOLVE IN TAKING ACTION THE CONCEPTS IDEAS TOOLS AND PROCESSES IN THIS BOOK HAVE HELPED MANY COMPANIES ACHIEVE AND SUSTAIN RESULTS THAT OTHER INVENTORY TOOLS AND APPROACHES JUST COULD NOT MATCH AND IT IS SURE TO HELP YOU ACHIEVE TRUE INVENTORY OPTIMIZATION AS WELL THE SECOND EDITION INCLUDES A NEW CHAPTER ON THE MECHANICS OF INVENTORY MANAGEMENT A PRAGMATIC REVIEW OF THE MANAGEMENT OF INVENTORY INCLUDING INTRODUCING THE MATERIALS AND INVENTORY MANAGEMENT CYCLE COMPARING THEORETICAL AND ACTUAL INVENTORY OUTCOMES DISCUSSION ON NORMAL AND POISSON DISTRIBUTION MODELS HOW TO DETERMINE THE RE ORDER POINT HOW TO DETERMINE THE RE ORDER QUANTITY AND COMMENTARY ON MONTE CARLO SIMULATION AN EXPANDED CHAPTER ON THE FINANCIAL IMPACT OF INVENTORY INCLUDING A DISCUSSION OF THE KEY REPORTS THAT NEED TO BE UNDERSTOOD CHAPTERS ON THE INFLUENCE OF POLICIES PROCEDURES AND PEOPLE ADDITIONAL DISCUSSION ON ISSUES FACED AND HOW TO ADDRESS THEM AN EXPANSION OF THE CENTRAL PROCESS DISCUSSED IN THE FIRST EDITION TO A MORE COMPREHENSIVE REVIEW PROCESS INVENTORY PROCESS TM OPTIMIZATION AN EXPANDED SECTION ON EXECUTING AN INVENTORY REVIEW PROGRAM A CLOSING WHERE TO FROM HERE CHAPTER 57 FIGURES AND DIAGRAMS 30 OF THEM NEW AND THE OTHERS ALL REVISED AND UPDATED AND SIX NEW TABLES WITH 8 IN TOTAL EIGHT NEW CHECKLISTS SPECIFICALLY INCLUDED AS A NEW TOOL FOR THE READER AND IS THE RESULT OF DIRECT READER REQUESTS AN EXPANDED GLOSSARY INTRODUCTION TO SMART INVENTORY SOLUTIONS THE MECHANICS OF INVENTORY MANAGEMENT THE FINANCIAL IMPACT OF INVENTORY PEOPLE AND PROCESSES POLICIES PROCEDURES ISSUES MYTHS AND A FEW HOME TRUTHS THE SPARE PARTS STOREROOM THE 7 ACTIONS FOR INVENTORY REDUCTION INVENTORY PROCESS OPTIMIZATION EXECUTIONS TAKING ACTION TO ACHIEVE RESULTS CASE STUDIES WHERE TO FROM HERE BIBLIOGRAPHY APPENDIX A MATERIALS AND INVENTORY MANAGEMENT GLOSSARY APPENDIX B DATA COLLECTION QUESTIONS INDEX THIS BOOK IS WRITTEN FOR INDUSTRIES IN SEARCH OF SEEKING SOLUTIONS ON THEIR MRO SPARE PARTS AND STOREROOM PROBLEMS MRO SPARE PARTS AND STOREROOM MANAGEMENT IS ONE OF THE MOST MOST NEGLECTED MAINTENANCE STRATEGIES IN ANY MAINTENANCE OPTIMIZATION AND STRATEGIES WHICH SHOULD NOT BE THE CASE OTHERS SAY THAT THIS IS THE MISSING LINK TO ANY RELIABILITY AND MAINTENANCE IMPROVEMENT ALMOST EVERY TYPE OF INDUSTRY WHETHER FROM MANUFACTURING PROCESSING PHARMACEUTICAL POWER PLANTS MINING CONSTRUCTION AVIATION OIL AND GAS HAVE A STOREROOM IN PLACE TO KEEP THEIR SPARE PARTS THERE ARE TWO MAIN GOALS OF MRO SPARE PARTS AND STOREROOM WHICH IS QUITE CONFLICTING THIS IS TO CREATE A BALANCE ON MINIMIZING THE COST OF SPARES INVENTORY AS WELL AS PROVIDING ALL THE PARTS AND SUPPLIES NEEDED TO KEEP THE PLANT OPERATING IT MAY SOUND CONFLICTING OR CONTRADICTING BUT THINKING ABOUT THIS THOROUGHLY IT IS REALLY NOT CONFLICTING IF THE MRO STOREROOM IS WELL MANAGED THE ROLE OF MAINTENANCE IS TO MAKE THE EQUIPMENT AVAILABLE IF THE EQUIPMENT FAILS AND THE PART IS NOT AVAILABLE IN THE STOREROOM THE MACHINE

BECOMES IDLE AND OPERATION IS HALT ON THE CONTRARY WE JUST CANNOT SIMPLY STOCK EVERY SINGLE PART OF EVERY PIECE OF EQUIPMENT WE HAVE IN THE PLANT THAT IS IF YOUR INDUSTRY STILL WANTS TO REMAIN IN BUSINESS THE ITEMS INSIDE THE STOREROOM CAN RANGE FROM 1 000 FOR A SMALL SCALE INDUSTRY TO MORE THAN 200 000 PARTS OR EVEN MORE FOR A LARGE SCALE INDUSTRY ALL INDUSTRIES HAVE A PLACE TO STORE AND KEEP SPARES FOR THEIR EQUIPMENT WHICH IS NEEDED FOR REPAIRS AND PREVENTIVE MAINTENANCE ACTIVITIES BUT NOT ALL INDUSTRIES HAVE KNOWLEDGE ON HOW TO MANAGE THEIR STOREROOM AND SPARE PARTS IN FACT MRO STOREROOM AND SPARE PARTS IS ONE OF THE STRATEGIES WHERE MAINTENANCE CAN TRULY SAVE COST BIG TIME IN OTHER INDUSTRIES THE PROBLEMS ON MRO SPARE PARTS ARE CHRONIC AND MAY HAVE BEEN EXISTED FOR DECADES IF INDUSTRIES ARE SERIOUS IN IMPROVING THEIR STOREROOM AND FINDING THE CORRECT SOLUTIONS ON THEIR MRO SPARE PARTS AND STOREROOM THIS BOOK IS A MUST READ NOT ONLY FOR STOREKEEPERS BUT ALSO FOR MAINTENANCE PURCHASING FINANCE AND ESPECIALLY THE C LEVEL PEOPLE TO FIND OUT WHAT THEIR MISSING HERE ARE SOME OF THE HIGHLIGHTS INCLUDED IN THIS BOOK PROVIDE A DECISION MAKING PROCESS ON WHETHER TO STOCK OR NOT TO STOCK PARTS THROUGH A MRO DECISION DIAGRAM OR ALGROTHIM WHAT CAN WE DO ABOUT SQUIRREL STORES AND HOW TO ELIMINATE THEM PERMANENTLY LEARN THE BASIC GOLDEN LAW ON MRO SPARE PARTS MANAGEMENT LEARN SEVERAL OPTIONS ON WHAT TO DO FOR OBSOLETE PARTS INSIDE THE STOREROOM LEARN ONE OPTION ON WHAT TO DO WITH NON MOVING PARTS LEARN WHY NOT ALL CRITICAL PARTS NEED TO BE STOCK IN THE STOREROOM LEARN SEVERAL FACTORS TO CONSIDER BEFORE MAKING A DECISION ON WHETHER TO STOCK OR NOT TO STOCK PARTS IN THE STOREROOM LEARN A MUCH BETTER WAY OF DETERMINING THE MINIMUM QUANTITY TO BE STORED BESIDES MIN MAX AND EOQ CALCULATION PROVIDE THE READER WITH A STEP BY STEP ROADMAP ON HOW TO FINALLY IMPROVE THEIR MRO STOREROOM UNDERSTAND WHO ARE THE BEST PEOPLE OR FUNCTION TO HANDLE THE MAINTENANCE STOREROOM AND WHY LEARN THAT ONE OF THE MOST IMPORTANT FUNCTIONS OF THE STOREKEEPER IS ABOUT MAINTAINING AND CARE FOR THE SPARE PARTS UNDERSTAND WHY IMPROVING THE STOREROOM SHOULD BE DONE INSIDE AND OUTSIDE THE STOREROOM AND MANY MORE MAJORITY OF THE PROBLEMS ON INDUSTRIES CAN BE SOLVED AS MENTIONED IN THIS BOOK IF INDUSTRIES ARE WILLING TO MAKE CHANGES IN HOW THEY DO THINGS IN THE PLANT INDUSTRIES THAT ACHIEVE A LEVEL OF WORLD CLASS MAINTENANCE WERE NOT BORN THAT WAY THEY WERE ALSO REACTIVE IN THE PAST BUT THE LEADERS HAVE A CHANGE OF HEART AND PROPELLED THEIR WORKFORCE TO A NEW DIRECTION SO THAT THEY CAN STAND OFF FROM THE REST AND COMPETE GLOBALLY IN THIS FIERCE WORLD OF COMPETITION WITH THE PRESSURE OF TIME BASED COMPETITION INCREASING AND CUSTOMERS DEMANDING FASTER SERVICE AVAILABILITY OF SERVICE PARTS BECOMES A CRITICAL COMPONENT OF MANUFACTURING AND SERVICING OPERATIONS SERVICE PARTS MANAGEMENT FIRST FOCUSES ON INTERMITTENT DEMAND FORECASTING AND THEN ON THE MANAGEMENT OF SERVICE PARTS INVENTORIES IT GUIDES RESEARCHERS AND PRACTITIONERS IN FINDING BETTER MANAGEMENT SOLUTIONS TO THEIR PROBLEMS AND IS BOTH AN EXCELLENT REFERENCE FOR KEY CONCEPTS AND A LEADING RESOURCE FOR FURTHER RESEARCH DEMAND FORECASTING TECHNIQUES ARE PRESENTED FOR PARAMETRIC AND NONPARAMETRIC APPROACHES AND MULTI ECHELON CASES AND INVENTORY POOLING ARE ALSO CONSIDERED INVENTORY CONTROL IS EXAMINED IN THE CONTINUOUS AND PERIODIC REVIEW CASES WHILE THE FOLLOWING ARE ALL EXAMINED IN THE CONTEXT OF FORECASTING ERROR MEASURES DISTRIBUTIONAL ASSUMPTIONS AND DECISION TREES SERVICE PARTS MANAGEMENT PROVIDES THE READER WITH AN OVERVIEW AND A DETAILED TREATMENT OF THE CURRENT STATE OF THE RESEARCH AVAILABLE ON THE FORECASTING AND INVENTORY MANAGEMENT OF ITEMS WITH INTERMITTENT DEMAND IT IS A COMPREHENSIVE REVIEW OF SERVICE PARTS MANAGEMENT AND PROVIDES A STARTING POINT FOR RESEARCHERS POSTGRADUATE STUDENTS AND ANYONE INTERESTED IN FORECASTING OR MANAGING INVENTORY AN INTEGRATIVE APPROACH TO IMPROVING THE RESPONSIVENESS RELIABILITY AND EFFICIENCY OF THE ARMY S INVENTORY MANAGEMENT AND COMPONENT REPAIR PROCESSES THREE KEY ISSUES ARE IDENTIFIED 1 IMPACT OF UNCERTAINTY AND VARIABILITY IN CUSTOMER DEMANDS ON LONG TERM PLANNING 2 NEED FOR NEAR TERM REPLANNING FOR EXECUTION AND 3 INABILITY OF REPAIR RESPONSIVENESS TO MEET CHANGING REQUIREMENTS ALTERNATIVES FOR IMPROVING BOTH PLANNING AND REPAIR ACTIVITIES ARE PRESENTED AND IT IS SUGGESTED THAT A PILOT EFFORT BE UNDERTAKEN TO DEVELOP AND TEST ALTERNATIVE APPROACHES THE MAINTENANCE SPARE PARTS BUSINESS IS IN TURMOIL THERE HAVE BEEN FUNDAMENTAL CHANGES IN THE SALE DISTRIBUTION AND STORAGE OF SPARE PARTS NEEDED TO MAINTAIN MACHINERY AND OTHER PHYSICAL ASSETS THE KEY TO UPTIME IN MANUFACTURING IS MANAGING RISK AND SURVIVING THE SPARE PARTS CRISIS MAINTENANCE STOREROOM AND INVENTORY CONTROL BY JOEL LEVITT DESCRIBES HOW TO EVALUATE RISK IN THE INVENTORY LEVITT SHARES KNOWLEDGE HE HAS GAINED OVER MORE THAN 30 YEARS OF CONSULTING COMPANIES AND PROVIDING TRAINING TO PROFESSIONALS WHO ARE FACING PROBLEMS WITH THEIR SPARE PARTS INVENTORY HIS LATEST BOOK SHOWS HOW THE MAINTENANCE DEPARTMENT CAN PROVIDE BETTER SUPPORT TO PURCHASING AGENTS AND BUYERS IT PROVIDES DOZENS OF IDEAS TO PROPERLY REDUCE INVENTORY REDUCE USAGE AND SAVE MONEY IN PARTS ALL WHILE MAINTAINING SERVICE LEVELS THIS TEXT IS THE ONLY ONE AVAILABLE THAT NOT ONLY COVERS THE CONVENTIONAL WISDOM BUT ALSO DEALS WITH THE NEW REALITIES OF TODAY S MARKET SPACE THIS IS AN IDEAL RESOURCE FOR MAINTENANCE MANAGERS PLANNERS AND ENGINEERS PARTS SPECIALISTS SUPPLY CHAIN MANAGERS AND ANYONE INVOLVED IN PURCHASING WITH THE PRESSURE OF TIME BASED COMPETITION INCREASING AND CUSTOMERS DEMANDING FASTER SERVICE AVAILABILITY OF SERVICE PARTS BECOMES A CRITICAL COMPONENT OF MANUFACTURING AND SERVICING OPERATIONS SERVICE PARTS MANAGEMENT FIRST FOCUSES ON INTERMITTENT DEMAND FORECASTING AND THEN ON THE MANAGEMENT OF SERVICE PARTS INVENTORIES IT GUIDES RESEARCHERS AND PRACTITIONERS IN FINDING BETTER MANAGEMENT SOLUTIONS TO THEIR PROBLEMS AND IS BOTH AN EXCELLENT REFERENCE FOR KEY CONCEPTS AND A LEADING RESOURCE FOR FURTHER RESEARCH DEMAND FORECASTING TECHNIQUES ARE PRESENTED FOR PARAMETRIC AND NONPARAMETRIC APPROACHES AND MULTI ECHELON CASES AND INVENTORY POOLING ARE ALSO CONSIDERED INVENTORY CONTROL IS EXAMINED IN THE CONTINUOUS AND PERIODIC REVIEW CASES WHILE THE FOLLOWING ARE ALL EXAMINED IN THE CONTEXT OF FORECASTING ERROR MEASURES DISTRIBUTIONAL ASSUMPTIONS AND DECISION TREES SERVICE PARTS MANAGEMENT PROVIDES THE READER WITH AN OVERVIEW AND A DETAILED TREATMENT OF THE CURRENT STATE OF THE RESEARCH AVAILABLE ON THE FORECASTING AND INVENTORY MANAGEMENT OF ITEMS WITH INTERMITTENT DEMAND IT IS A COMPREHENSIVE REVIEW OF SERVICE PARTS MANAGEMENT AND PROVIDES A STARTING POINT FOR RESEARCHERS POSTGRADUATE STUDENTS AND ANYONE INTERESTED IN FORECASTING OR MANAGING INVENTORY THIS IS A SPECIALIST GUIDE FOR MANAGERS AND ENTREPRENEURS IN THE GROWING AREA OF PARTS MANAGEMENT THAT IS FOR ANYONE RESPONSIBLE FOR THE PRODUCTION PROCUREMENT STORING SUPPLYING AND OR MARKETING OF COMPONENTS OR SPARE PARTS ENGINEERS AND RELIABILITY PROFESSIONALS ARE INCREASINGLY BEING HELD ACCOUNTABLE FOR MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT AND IN RESPONSE THEY NEED TO GAIN A BETTER UNDERSTANDING OF MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT PRINCIPLES AND PRACTICES THIS PRACTICAL BOOK DELIVERS JUST THAT THIS BOOK FOCUSSES ON THE AFTER SALES BUSINESS AND PRESENTS THE SERVICE PARTS PLANNING SPP SOLUTION WHICH WAS DEVELOPED BY SAP IN A JOINT EFFORT WITH CATERPILLAR AND FORD IN ORDER TO ADDRESS THE SPECIFIC PLANNING PROBLEMS OF SERVICE PARTS THE BOOK EXPLAINS THE PROCESSES STRUCTURES AND FUNCTIONS OF THIS SOLUTION AND IS TARGETED AT DECISION MAKERS PROJECT MEMBERS AND PROJECT MANAGERS WHO ARE INVOLVED IN AN IMPLEMENTATION OF SAP SERVICE PARTS PLANNING OR FOR USERS WHO WANT TO GAIN A BETTER UNDERSTANDING OF THE STATE OF ART IN SPARE PARTS PLANNING AND THE SAP SERVICE PARTS PLANNING SOFTWARE DEFENSE INVENTORY MANAGEMENT ACTIONS NEEDED TO IMPROVE THE COST EFFICIENCY OF THE NAVY S SPARE PARTS INVENTORY DURING THE START OF THIS YEAR 2020 I HAVE BEEN THINKING A LOT ABOUT THE NEED TO RIGHT MY FOURTH BOOK ON MAINTENANCE WHAT TITLE SHOULD I GIVE THIS BOOK AND WHY WHAT INDUSTRIES NEED TODAY ARE CUTTING EDGE MAINTENANCE MANAGEMENT STRATEGIES THAT CAN BE EXPLAINED IN A STRAIGHTFORWARD AND SIMPLE MANNER FOR INDUSTRIES THAT THEY CAN EASILY ADOPT TODAY WHAT EVERY INDUSTRY NEED IS A WAY ON HOW TO SURVIVE THEIR COMPETITION AND REMAIN IN BUSINESS I STARTED DRAFTING THIS BOOK ON MARCH 16 2020 WE ALL KNOW ABOUT THIS PANDEMIC ON COVID 19 WHICH HAVE STRUCK THE WHOLE WORLD AND AFFECTED SO MANY BUSINESSES AND INDUSTRIES IN ALL COUNTRIES GLOBALLY MANY INDUSTRIES HAVE BEEN HALTED BY THIS PANDEMIC AND MANY JOBS WERE LOST AS A RESULT HONESTLY SPEAKING I AM NOT CERTAIN WHEN THIS PANDEMIC WILL END SINCE AS OF THIS WRITING THE NUMBER OF CASES IS INCREASING EXPONENTIALLY AND VACCINE IS STILL UNAVAILABLE IT IS MY HOPE THAT ONCE EVERYTHING GOES BACK TO NORMAL LEADERS IN INDUSTRIES CAN LEARN FROM EXPERIENCE TO MANAGE THE RISKS INVOLVED AND SUSTAIN THEIR ASSETS MORE INTELLIGENTLY WHEN I FIRST PUBLISHED MY FIRST BOOK ON WORLD CLASS MAINTENANCE MANAGEMENT THE 12 DISCIPLINES IN 2009 I THOUGHT I HAVE WRITTEN EVERYTHING THERE IS TO KNOW IN ORDER TO ACHIEVE A LEVEL OF WORLD CLASS MAINTENANCE MANAGEMENT THROUGH THE YEARS WHAT I LEARNED SO FAR IS THAT HAVING A WORLD CLASS MAINTENANCE IS VERY DIFFERENT FROM ACHIEVING A WORLD CLASS RELIABILITY IN THE ORGANIZATION THERE ARE ALSO MANY DEVELOPMENTS AND CHANGES TODAY IN MAINTENANCE THAT WE NEED TO ADOPT THE REASON FOR WRITING THIS BOOK IS NOT ONLY FOR THE READERS TO UNDERSTAND THE NEW TRENDS IN MAINTENANCE BUT ALSO FOR THEM TO

UNDERSTAND THE REASON FOR USING THEM THESE STRATEGIES MUST BE ADOPTED BY INDUSTRIES FOR THEIR OWN ADVANTAGE BECAUSE IN TODAY S PHASE THE LAW OF THE JUNGLE APPLIES AND THAT IS SURVIVE NOW OR BE LEFT BEHIND CUTTING EDGE MAINTENANCE MANAGEMENT STRATEGIES THIS BOOK ALSO A SEQUEL DEALS WITH THE DIFFERENT CUTTING EDGE MAINTENANCE STRATEGIES THAT MUST BE ADOPTED BY INDUSTRIES IN ORDER FOR THEM TO SURVIVE THEIR COMPETITION IN INDUSTRIES TODAY THE LAW OF THE JUNGLE APPLIES SURVIVE OF BE LEFT BEHIND LEARN HOW THESE STRATEGIES CAN LINK TOGETHER IN BUILDING A SOLID MAINTENANCE STRUCTURE IN THE PLANT FINALLY UNDERSTAND LEARN THESE CUTTING EDGE MAINTENANCE STRATEGIES IN HELPING BUILD THE RELIABILITY CULTURE FOR INDUSTRIES MAINTENANCE OF EQUIPMENT MACHINERY SYSTEMS AND ALLIED INFRASTRUCTURE COMPRISES THE WAYS AND MEANS OF OPTIMIZING THE AVAILABLE RESOURCES OF MANPOWER MATERIALS TOOLS AND TEST EQUIPMENT WITHIN A SET OF CONSTRAINTS TO HELP ACHIEVE THE TARGETS OF AN ORGANIZATION BY MINIMIZING THE DOWNTIMES WHETHER THE GOAL IS TO PRODUCE AND SELL A PRODUCT AT A PROFIT OR IS SIMPLY TO PERFORM A MISSION IN A COST EFFECTIVE MANNER THE MAINTENANCE PRINCIPLES DISCUSSED IN THIS TEXT APPLY EQUALLY TO ALL SUCH TYPES OF ORGANIZATIONS IN CONSONANCE WITH THE GROWTH OF THE INDUSTRY AND ITS MODERNIZATION AND THE NEED TO MINIMIZE THE DOWNTIMES OF MACHINERY AND EQUIPMENT THE ENGINEERING EDUCATION SYSTEM HAS INCLUDED MAINTENANCE ENGINEERING AS A PART OF ITS CURRICULUM THIS SECOND EDITION OF THE BOOK CONTINUES TO FOCUS ON THE BASICS OF THIS EXPANDING SUBJECT WITH A BROAD DISCUSSION OF MANAGEMENT ASPECTS AS WELL FOR THE BENEFIT OF THE ENGINEERING STUDENTS IT EXPLAINS THE CONCEPT OF A MAINTENANCE SYSTEM THE EVALUATION OF ITS MAINTENANCE FUNCTIONS MAINTENANCE PLANNING AND SCHEDULING THE IMPORTANCE OF MOTIVATION IN MAINTENANCE THE USE OF COMPUTERS IN MAINTENANCE AND THE ECONOMIC ASPECTS OF MAINTENANCE THIS BOOK ALSO DISCUSSES THE MANPOWER PLANNING AND ENERGY CONSERVATION IN MAINTENANCE MANAGEMENT PRESENTED IN A READABLE STYLE THE BOOK BRINGS TOGETHER THE NUMEROUS ASPECTS OF MAINTENANCE FUNCTIONS EMPHASIZING THE IMPORTANCE OF THIS DISCIPLINE IN THE ENGINEERING EDUCATION IN THIS EDITION A NEW CHAPTER TITLED ADVANCES IN MAINTENANCE CHAPTER 21 HAS BEEN INCLUDED TO WIDEN THE COVERAGE OF THE BOOK BESIDES THE STUDENTS OF ENGINEERING ESPECIALLY THOSE IN STREAMS OF MECHANICAL ENGINEERING AND ITS RELATED DISCIPLINES SUCH AS MINING INDUSTRIAL AND PRODUCTION THIS BOOK WILL BE USEFUL TO THE PRACTISING ENGINEERS AS WELL 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 MATERIALS MANAGEMENT IS AN ESSENTIAL BUSINESS FUNCTION IT IS CONCERNED WITH MANAGING MATERIALS ONE OF THE FOUR BASIC RESOURCES LABOUR MATERIAL EQUIPMENT CAPITAL UNTIL RECENTLY IT WAS CONCERNED WITH PURCHASING RAW MATERIALS AND VERY FEW PARTS FROM LOCAL MARKETS RAW MATERIALS WERE USED TO MAKE MOST OF THE PARTS FOR MAKING END PRODUCTS MATERIALS MANAGEMENT WAS REGARDED AS A ROUTINE FUNCTION AND WAS GIVEN LESS IMPORTANCE BUT OVER THE YEARS FIRMS BEGAN TO PROCURE MORE AND MORE PARTS AND SUBASSEMBLIES FROM LOCAL AS WELL AS GLOBAL MARKETS TODAY OVER 50 OF THE REVENUE OF THE FIRMS GOES FOR PROCURING MATERIALS PARTS AND SUBASSEMBLIES FROM OUTSIDE AS A RESULT MATERIALS MANAGEMENT FUNCTION HAS EVOLVED FROM A CLERICAL BUYING FUNCTION INTO A STRATEGIC BUSINESS FUNCTION THAT HELPS FIRMS TO SURVIVE AND GROW IT CREATES COMPETITIVE EDGE BY CREATING SUPERIOR VALUE BY DELIVERING QUALITY PRODUCT OR SERVICE ON TIME AND OFFERING LOWER COST BY CUTTING ITS OWN COST AS WELL AS CUTTING PURCHASED ITEM COST VERY FEW OF THE AVAILABLE TEXTS OFFER A COMPREHENSIVE VIEW OF THE SUBJECT DATA AND EXAMPLES AND CASES IN THE CONTEXT OF INDIAN INDUSTRIES ARE LIMITED THE CONTENTS OF THE SUBJECT ARE UNDERGOING RAPID CHANGES EARLIER PURCHASING WAS MOSTLY CONFINED TO RAW MATERIALS BY MANUFACTURING FIRMS WHEREAS NOW A LARGE PART OF IT CONSISTS OF PARTS SUBASSEMBLIES AND ASSEMBLIES BESIDE RAW MATERIALS A SMALLER NUMBER OF SUPPLIERS ARE PREFERRED NOW A DAYS GLOBAL SOURCING IS AN ACCEPTED NORM A CHANGE IN SUPPLIER RELATIONS FROM ADVERSARIAL TO PARTNERSHIP IS EVIDENT LOT SIZES AND LEAD TIMES ARE SMALLER AND THERE IS GREATER USE OF INFORMATION TECHNOLOGY THE BOOK IS DESIGNED TO PROVIDE COMPREHENSIVE COVERAGE OF THE FIELD OF MATERIALS MANAGEMENT BY INCLUDING EMERGING CONCEPTS PRACTICES TOOLS TECHNIQUES HEURISTICS AND QUANTITATIVE MODELS OTHER FEATURES OF THE BOOK INCLUDE V IMPORTANT TOPICS LIKE OUTSOURCING PURCHASE STRATEGIES AND ENTERPRISE RESOURCE PLANNING V CASES FROM INDIAN INDUSTRIES ON VENDOR MANAGED INVENTORY OUTSOURCING AND SPARE PARTS INVENTORY V DEFINITION OF KEY TERMS V QUESTIONS AT THE END OF EACH CHAPTER AND ANSWERS OF SELECTED QUESTIONS THE BOOK CAN SERVE AS A TEXT FOR UNDERGRADUATE AND POSTGRADUATE LEVEL COURSES ON MATERIALS MANAGEMENT IN THE INSTITUTES OF MANAGEMENT ENGINEERING AND TECHNOLOGY MATERIALS INDUSTRIAL ENGINEERING OPERATIONS RESEARCH AND OTHERS IT CAN ALSO SERVE AS A REFERENCE FOR MANAGERS ENGINEERS CONSULTANTS AND OTHERS INTERESTED IN THE FIELD THIS BOOK CONSTITUTES THE THOROUGHLY REFEREED POST CONFERENCE PROCEEDINGS OF THE INTERNATIONAL IFIP W/G 5 7 CONFERENCE ON ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS APMS 2011 HELD IN STAVANGER NORWAY IN SEPTEMBER 2011 THE 66 REVISED AND EXTENDED FULL PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 124 PAPERS PRESENTED AT THE CONFERENCE THE PAPERS ARE ORGANIZED IN 3 PARTS PRODUCTION PROCESS SUPPLY CHAIN MANAGEMENT AND STRATEGY THEY REPRESENT THE BREADTH AND COMPLEXITY OF TOPICS IN OPERATIONS MANAGEMENT RANGING FROM OPTIMIZATION AND USE OF TECHNOLOGY MANAGEMENT OF ORGANIZATIONS AND NETWORKS TO SUSTAINABLE PRODUCTION AND GLOBALIZATION THE AUTHORS USE A BROAD RANGE OF METHODOLOGICAL APPROACHES SPANNING FROM GROUNDED THEORY AND QUALITATIVE METHODS VIA A BROAD SET OF STATISTICAL METHODS TO MODELING AND SIMULATION TECHNIQUES INVENTORY CONTROL IS VITALLY IMPORTANT TO ALMOST ANY TYPE OF INDUSTRY WHETHER PRODUCT OR SERVICE ORIENTED INVESTMENTS IN RAW MATERIALS SPARE PARTS WORK IN PROGRESS AND FINISHED PRODUCTS ARE ALL CRITICAL COSTS OF OPERATIONS WHICH IF NOT CONTROLLED CAN LEAD TO HIGH CAPITAL COSTS HIGH OPERATING COSTS AND DECREASED PRODUCTION EFFICIENCY THIS BOOK FOCUSES ON THE PROBLEMS OF MATERIALS CONTROL IN SMALL SCALE MANUFACTURING INDUSTRIES IT EXPLAINS HOW TO OPTIMIZE THE AVAILABLE RESOURCES WITH A VIEW TO REDUCING MATERIAL COSTS AND ACHIEVING IMPROVED CAPITAL TURNOVER IT ALSO ANALYZES A FEW SELECTED INDUSTRIES AND CRITICALLY REVIEWS THEIR PERFORMANCE IN THE AREA OF INVENTORY CONTROL THE BOOK IS DESIGNED AS A TEXT ON INVENTORY MANAGEMENT FOR POSTGRADUATE STUDENTS PURSUING COURSES IN COMMERCE MANAGEMENT AND BUSINESS STUDIES IT IS ALSO SUITABLE FOR ALL THOSE STUDYING FOR PROFESSIONAL QUALIFICATIONS SUCH AS CA ICWA AND CS MANY PARTS MANAGERS UNDERESTIMATE THE BUSINESS MANAGEMENT EXPERTISE COMBINED WITH PARTS KNOWLEDGE THAT IS REQUIRED TO EFFICIENTLY OPERATE A PARTS DEPARTMENT AUTHOR GARY NAPLES BRINGS TWENTY YEARS OF PARTS MANAGEMENT EXPERIENCE TO BY THE NUMBERS PRINCIPLES OF AUTOMOTIVE PARTS MANAGEMENT THIS BOOK PRESENTS BASIC PARTS MANAGEMENT PRINCIPLES ALONG WITH BUSINESS AND PERSONNEL MANAGEMENT TECHNIQUES IN AN EASY TO UNDERSTAND FORMAT EACH CHAPTER BEGINS WITH AN ILLUSTRATIVE CASE WHICH DESCRIBES A TYPICAL SITUATION PERTINENT TO THE CHAPTER S THEME THAT COULD OCCUR IN REAL WORLD PARTS DEPARTMENTS THE BOOK IS A COLLECTION OF HIGH QUALITY RESEARCH PAPERS PRESENTED AT INTELLIGENT COMMUNICATION TECHNOLOGIES AND VIRTUAL MOBILE NETWORKS ICICV HELD AT FRANCIS XAVIER ENGINEERING COLLEGE TIRUNELVELI TAMIL NADU INDIA DURING FEBRUARY 10 11 2022 THE BOOK SHARES KNOWLEDGE AND RESULTS IN THEORY METHODOLOGY AND APPLICATIONS OF COMMUNICATION TECHNOLOGY AND MOBILE NETWORKS THE BOOK COVERS INNOVATIVE AND CUTTING EDGE WORK OF RESEARCHERS DEVELOPERS AND PRACTITIONERS FROM ACADEMIA AND INDUSTRY WORKING IN THE AREA OF COMPUTER NETWORKS NETWORK PROTOCOLS AND WIRELESS NETWORKS DATA COMMUNICATION TECHNOLOGIES AND NETWORK SECURITY

MAINTENANCE AND SPARE PARTS MANAGEMENT

2013-04-08

THIS WELL RECEIVED TEXT DESIGNED FOR THE STUDENTS OF MBA BTECH MECHANICAL ENGINEERING AND INDUSTRIAL AND PRODUCTION ENGINEERING AND MTECH INDUSTRIAL ENGINEERING AND MANAGEMENT HAS BEEN REVISED AND REORGANIZED IN ITS SECOND EDITION THE BOOK DIVIDED INTO SIX SECTIONS DEALS WITH THE CONCEPTS OF CORE MAINTENANCE AND RELATED AUXILIARY FUNCTIONS CORE SPARES ISSUES RELATED AUXILIARY SPARES FUNCTIONS CASELETS AND POLICY CASES THIS RESEARCH BASED STUDY ATTEMPTS TO IMPART A COMPREHENSIVE KNOWLEDGE OF MAINTENANCE AND SPARE PARTS MANAGEMENT PARTICULARLY IN THE INDIAN CONTEXT ILLUSTRATIONS TABLES CASELETS CASES AND PRESENTATION OF SEVERAL TOPICS IN A Z POINTS ADD PEDAGOGIC VALUE TO THE TEXT

SPARE PARTS MANAGEMENT

2018-05-12

WHAT WOULD HAPPEN IF SPARE PARTS MANAGEMENT WEREN T DONE IS THE SPARE PARTS MANAGEMENT PROCESS SEVERELY BROKEN SUCH THAT A RE DESIGN IS NECESSARY WHAT ARE YOUR KEY SPARE PARTS MANAGEMENT ORGANIZATIONAL PERFORMANCE MEASURES INCLUDING KEY SHORT AND LONGER TERM FINANCIAL MEASURES HOW CAN YOU MEASURE SPARE PARTS MANAGEMENT IN A SYSTEMATIC WAY HOW TO SECURE SPARE PARTS MANAGEMENT THIS EXTRAORDINARY SPARE PARTS MANAGEMENT SELF ASSESSMENT WILL MAKE YOU THE TRUSTED SPARE PARTS MANAGEMENT DOMAIN ADVISER BY REVEALING JUST WHAT YOU NEED TO KNOW TO BE FLUENT AND READY FOR ANY SPARE PARTS MANAGEMENT CHALLENGE HOW DO I REDUCE THE EFFORT IN THE SPARE PARTS MANAGEMENT WORK TO BE DONE TO GET PROBLEMS SOLVED HOW CAN I ENSURE THAT PLANS OF ACTION INCLUDE EVERY SPARE PARTS MANAGEMENT TASK AND THAT EVERY SPARE PARTS MANAGEMENT OUTCOME IS IN PLACE HOW WILL I SAVE TIME INVESTIGATING STRATEGIC AND TACTICAL OPTIONS AND ENSURING SPARE PARTS MANAGEMENT COSTS ARE LOW HOW CAN I DELIVER TAILORED SPARE PARTS MANAGEMENT ADVICE INSTANTLY WITH STRUCTURED GOING FORWARD PLANS THERE S NO BETTER GUIDE THROUGH THESE MIND EXPANDING QUESTIONS THAN ACCLAIMED BEST SELLING AUTHOR GERARD BLOKDYK BLOKDYK ENSURES ALL SPARE PARTS MANAGEMENT ESSENTIALS ARE COVERED FROM EVERY ANGLE THE SPARE PARTS MANAGEMENT SELF ASSESSMENT SHOWS SUCCINCTLY AND CLEARLY THAT WHAT NEEDS TO BE CLARIFIED TO ORGANIZE THE REQUIRED ACTIVITIES AND PROCESSES SO THAT SPARE PARTS MANAGEMENT OUTCOMES ARE ACHIEVED CONTAINS EXTENSIVE CRITERIA GROUNDED IN PAST AND CURRENT SUCCESSFUL PROJECTS AND ACTIVITIES BY EXPERIENCED SPARE PARTS MANAGEMENT PRACTITIONERS THEIR MASTERY COMBINED WITH THE EASY ELEGANCE OF THE SELF ASSESSMENT PROVIDES ITS SUPERIOR VALUE TO YOU IN KNOWING HOW TO ENSURE THE OUTCOME OF ANY EFFORTS IN SPARE PARTS MANAGEMENT ARE MAXIMIZED WITH PROFESSIONAL RESULTS YOUR PURCHASE INCLUDES ACCESS DETAILS TO THE SPARE PARTS MANAGEMENT SELF ASSESSMENT DASHBOARD DOWNLOAD WHICH GIVES YOU YOUR DYNAMICALLY PRIORITIZED PROJECTS READY TOOL AND SHOWS YOU EXACTLY WHAT TO DO NEXT YOUR EXCLUSIVE INSTANT ACCESS DETAILS CAN BE FOUND IN YOUR BOOK

SPARE PARTS INVENTORY MANAGEMENT

2016-11-25

OVERVIEW NO PREVIOUS WORKS HAVE FOCUSED ON THE TOPIC OF INVENTORY REDUCTION AND OPTIMIZATION TO THE EXTENT THAT THIS ONE DOES SPARE PARTS INVENTORY MANAGEMENT A COMPLETE GUIDE TO SPARESOLOGY TM BY PHILIP SLATER COVERS THE WHOLE PART S LIFE CYCLE FROM INITIAL PURCHASE TO FINAL DISPOSAL AND ADDRESSES ISSUES THROUGHOUT INCLUDING MAINTENANCE REPAIR AND OVERHAUL MRO THE AUTHOR PHILLIP SLATER WAS DESCRIBED IN A RECENT PODCAST AS TRULY ONE OF THE LEADERS IN THE MRO INFORMATION SEGMENT SPARESOLOGY IS A TERM COINED BY SLATER TO DESCRIBE THE DISCIPLINE OF OPTIMIZING THE PHYSICAL FINANCIAL AND HUMAN RESOURCE MANAGEMENT PROCESSES OF SPARE PARTS INVENTORY MANAGEMENT SPARESOLOGY IS MUCH MORE THAN JUST INVENTORY OPTIMIZATION IT INVOLVES AN UNDERSTANDING OF THE COMPLETE ECOSYSTEM WITHIN WHICH THE SPARE PARTS INVENTORY IS MANAGED AND SEEKS TO ENSURE THAT ALL OF THE FACTORS INFLUENCING THIS MANAGEMENT WORK TOGETHER TO ACHIEVE AN ORGANIZATION S GOALS

SPARE PARTS INVENTORY CONTROL UNDER SYSTEM AVAILABILITY CONSTRAINTS

2015

THIS BOOK FOCUSES ON THE TACTICAL PLANNING LEVEL FOR SPARE PARTS MANAGEMENT IT DESCRIBES A SERIES OF MULTI ITEM INVENTORY MODELS AND PRESENTS EXACT AND HEURISTIC OPTIMIZATION METHODS INCLUDING GREEDY HEURISTICS THAT WORK WELL FOR REAL LIFE SIZED PROBLEMS THE INTENDED AUDIENCE CONSISTS OF GRADUATE STUDENTS STARTING SCHOLARS IN THE FIELD OF SPARE PARTS INVENTORY CONTROL AND SPARE PARTS PLANNING SPECIALISTS IN THE INDUSTRY IN INDIVIDUAL CHAPTERS THE AUTHORS CONSIDER TOPICS INCLUDING A BASIC SINGLE LOCATION MODEL SINGLE LOCATION MODELS WITH MULTIPLE MACHINE TYPES AND OR MACHINE GROUPS THE MULTI LOCATION MODEL WITH LATERAL TRANSSHIPMENTS THE CLASSICAL METRIC MODEL AND ITS GENERALIZATION TO MULTI INDENTURE SYSTEMS AND A SINGLE LOCATION MODEL WITH AN EXPLICIT MODELING OF THE REPAIR CAPACITY FOR FAILED PARTS AND THE PRIORITIES THAT ONE CAN SET THERE VARIOUS CHAPTERS OF THE BOOK ARE USED IN A MASTER COURSE AT EINDHOVEN UNIVERSITY OF TECHNOLOGY AND IN A PHD COURSE OF THE GRADUATE PROGRAM OPERATIONS MANAGEMENT AND LOGISTICS A DUTCH NETWORK THAT ORGANIZES PHD COURSES IN THE FIELD OF OML THE REQUIRED PRE KNOWLEDGE CONSISTS OF PROBABILITY THEORY AND BASIC KNOWLEDGE OF MARKOV PROCESSES AND QUEUING THEORY END OF CHAPTER PROBLEMS APPEAR FOR ALL CHAPTERS WITH SOME ANSWERS APPEARING IN AN APPENDIX

SMART INVENTORY SOLUTIONS

2010

ENGINEERS AND RELIABILITY PROFESSIONALS ARE INCREASINGLY BEING HELD ACCOUNTABLE FOR MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT AND IN RESPONSE THEY NEED TO GAIN A BETTER UNDERSTANDING OF MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT PRINCIPLES AND PRACTICES THIS PRACTICAL BOOK DELIVERS JUST THAT THIS NEW EDITION WILL HELP YOU GET THE RIGHT PARTS IN THE RIGHT PLACE AT THE RIGHT TIME FOR THE RIGHT REASON FULLY REVISED IT PROVIDES SPECIFIC COVERAGE OF THE ISSUES FACED IN AND REQUIREMENTS FOR MANAGING ENGINEERING MATERIALS AND SPARE PARTS AND WHAT TO DO TO IMPROVE YOUR RESULTS IT INCLUDES 29 EXCLUSIVE EXAMPLES AND REAL LIFE CASE STUDIES TO DEMONSTRATE THE APPLICATION OF THE CONCEPTS AND IDEAS SO THAT YOU WILL EASY AND QUICKLY UNDERSTAND HOW TO IMPLEMENT THEM WHAT S MORE IT WILL SHOW YOU WHAT TO DO TO TRULY OPTIMIZE YOUR INVENTORY HOLDINGS WHY INVENTORY LEVELS ARE ALMOST ALWAYS TOO HIGH HOW TO IDENTIFYING THE FACTORS THAT HAVE GREATEST IMPACT ON YOUR INVENTORY LEVELS WHEN TO APPLY THE 7 ACTIONS FOR INVENTORY REDUCTION WHERE TO FOCUS YOUR EFFORTS FOR GREATEST EFFECT AND WHO TO INVOLVE IN TAKING ACTION THE CONCEPTS IDEAS TOOLS AND PROCESSES IN THIS BOOK HAVE HELPED MANY COMPANIES ACHIEVE AND SUSTAIN RESULTS THAT OTHER INVENTORY TOOLS AND APPROACHES JUST COULD NOT MATCH AND IT IS SURE TO HELP YOU ACHIEVE TRUE INVENTORY OPTIMIZATION AS WELL THE SECOND EDITION INCLUDES A NEW CHAPTER ON THE MECHANICS OF INVENTORY MANAGEMENT A PRAGMATIC REVIEW OF THE MANAGEMENT OF INVENTORY INCLUDING INTRODUCING THE MATERIALS AND INVENTORY MANAGEMENT CYCLE COMPARING THEORETICAL AND ACTUAL INVENTORY OUTCOMES DISCUSSION ON NORMAL AND POISSON DISTRIBUTION MODELS HOW TO DETERMINE THE RE ORDER POINT HOW TO DETERMINE THE RE ORDER QUANTITY AND COMMENTARY ON MONTE CARLO SIMULATION AN EXPANDED CHAPTER ON THE FINANCIAL IMPACT OF INVENTORY INCLUDING A DISCUSSION OF THE KEY REPORTS THAT NEED TO BE UNDERSTOOD CHAPTERS ON THE INFLUENCE OF POLICIES PROCEDURES AND PEOPLE ADDITIONAL DISCUSSION ON ISSUES FACED AND HOW TO ADDRESS THEM AN EXPANSION OF THE CENTRAL PROCESS DISCUSSED IN THE FIRST EDITION TO A MORE COMPREHENSIVE REVIEW PROCESS INVENTORY PROCESS TM OPTIMIZATION AN EXPANDED SECTION ON EXECUTING AN INVENTORY REVIEW PROGRAM A CLOSING WHERE TO FROM HERE CHAPTER 57 FIGURES AND DIAGRAMS 30 OF THEM NEW AND THE OTHERS ALL REVISED AND UPDATED AND SIX NEW TABLES WITH 8 IN TOTAL EIGHT NEW CHECKLISTS SPECIFICALLY INCLUDED AS A NEW TOOL FOR THE READER AND IS THE RESULT OF DIRECT READER REQUESTS AN EXPANDED GLOSSARY INTRODUCTION TO SMART INVENTORY SOLUTIONS THE MECHANICS OF INVENTORY MANAGEMENT THE FINANCIAL IMPACT OF INVENTORY PEOPLE AND PROCESSES POLICIES PROCEDURES ISSUES MYTHS AND A FEW HOME TRUTHS THE SPARE PARTS STOREROOM THE 7 ACTIONS FOR INVENTORY REDUCTION INVENTORY PROCESS OPTIMIZATION EXECUTIONS TAKING ACTION TO ACHIEVE RESULTS CASE STUDIES WHERE TO FROM HERE BIBLIOGRAPHY APPENDIX A MATERIALS AND INVENTORY MANAGEMENT GLOSSARY APPENDIX B DATA COLLECTION QUESTIONS INDEX

PROBLEMS AND SOLUTIONS ON MRO SPARE PARTS AND STOREROOM

2020-07-25

THIS BOOK IS WRITTEN FOR INDUSTRIES IN SEARCH OF SEEKING SOLUTIONS ON THEIR MRO SPARE PARTS AND STOREROOM PROBLEMS MRO SPARE PARTS AND STOREROOM MANAGEMENT IS ONE OF THE MOST MOST NEGLECTED MAINTENANCE STRATEGIES IN ANY MAINTENANCE OPTIMIZATION AND STRATEGIES WHICH SHOULD NOT BE THE CASE OTHERS SAY THAT THIS IS THE MISSING LINK TO ANY RELIABILITY AND MAINTENANCE IMPROVEMENT ALMOST EVERY TYPE OF INDUSTRY WHETHER FROM MANUFACTURING PROCESSING PHARMACEUTICAL POWER PLANTS MINING CONSTRUCTION AVIATION OIL AND GAS HAVE A STOREROOM IN PLACE TO KEEP THEIR SPARE PARTS THERE ARE TWO MAIN GOALS OF MRO SPARE PARTS AND STOREROOM WHICH IS QUITE CONFLICTING THIS IS TO CREATE A BALANCE ON MINIMIZING THE COST OF SPARES INVENTORY AS WELL AS PROVIDING ALL THE PARTS AND SUPPLIES NEEDED TO KEEP THE PLANT OPERATING IT MAY SOUND CONFLICTING OR CONTRADICTING BUT THINKING ABOUT THIS THOROUGHLY IT IS REALLY NOT CONFLICTING IF THE MRO STOREROOM IS WELL MANAGED THE ROLE OF MAINTENANCE IS TO MAKE THE EQUIPMENT AVAILABLE IF THE EQUIPMENT FAILS AND THE PART IS NOT AVAILABLE IN THE STOREROOM THE MACHINE BECOMES IDLE AND OPERATION IS HALT ON THE CONTRARY WE JUST CANNOT SIMPLY STOCK EVERY SINGLE PART OF EVERY PIECE OF EQUIPMENT WE HAVE IN THE PLANT THAT IS IF YOUR INDUSTRY STILL WANTS TO REMAIN IN BUSINESS THE ITEMS INSIDE THE STOREROOM CAN RANGE FROM 1 000 FOR A SMALL SCALE INDUSTRY TO MORE THAN 200 000 PARTS OR EVEN MORE FOR A LARGE SCALE INDUSTRY ALL INDUSTRIES HAVE A PLACE TO STORE AND KEEP SPARES FOR THEIR EQUIPMENT WHICH IS NEEDED FOR REPAIRS AND PREVENTIVE MAINTENANCE ACTIVITIES BUT NOT ALL INDUSTRIES HAVE KNOWLEDGE ON HOW TO MANAGE THEIR STOREROOM AND SPARE PARTS IN FACT MRO STOREROOM AND SPARE PARTS IS ONE OF THE STRATEGIES WHERE MAINTENANCE CAN TRULY SAVE COST BIG TIME IN OTHER INDUSTRIES THE PROBLEMS ON MRO SPARE PARTS ARE CHRONIC AND MAY HAVE BEEN EXISTED FOR DECADES IF INDUSTRIES ARE SERIOUS IN IMPROVING THEIR STOREROOM AND FINDING THE CORRECT SOLUTIONS ON THEIR MRO SPARE PARTS AND STOREROOM THIS BOOK IS A MUST READ NOT ONLY FOR STOREKEEPERS BUT ALSO FOR MAINTENANCE PURCHASING FINANCE AND ESPECIALLY THE C LEVEL PEOPLE TO FIND OUT WHAT THEIR MISSING HERE ARE SOME OF THE HIGHLIGHTS INCLUDED IN THIS BOOK PROVIDE A DECISION MAKING PROCESS ON WHETHER TO STOCK OR NOT TO STOCK PARTS THROUGH A MRO DECISION DIAGRAM OR ALGROTHIM WHAT CAN WE DO ABOUT SQUIRREL STORES AND HOW TO ELIMINATE THEM PERMANENTLY LEARN THE BASIC GOLDEN LAW ON MRO SPARE PARTS MANAGEMENT LEARN SEVERAL OPTIONS ON WHAT TO DO FOR OBSOLETE PARTS INSIDE THE STOREROOM LEARN ONE OPTION ON WHAT TO DO WITH NON MOVING PARTS LEARN WHY NOT ALL CRITICAL PARTS NEED TO BE STOCK IN THE STOREROOM LEARN SEVERAL FACTORS TO CONSIDER BEFORE MAKING A DECISION ON WHETHER TO STOCK OR NOT TO STOCK PARTS IN THE STOREROOM LEARN A MUCH BETTER WAY OF DETERMINING THE MINIMUM QUANTITY TO BE STORED BESIDES MIN MAX AND EOQ CALCULATION PROVIDE THE READER WITH A STEP BY STEP ROADMAP ON HOW TO FINALLY IMPROVE THEIR MRO STOREROOM UNDERSTAND WHO ARE THE BEST PEOPLE OR FUNCTION TO HANDLE THE MAINTENANCE STOREROOM AND WHY LEARN THAT ONE OF THE MOST IMPORTANT FUNCTIONS OF THE STOREKEEPER IS ABOUT MAINTAINING AND CARE FOR THE SPARE PARTS UNDERSTAND WHY IMPROVING THE STOREROOM SHOULD BE DONE INSIDE AND OUTSIDE THE STOREROOM AND MANY MORE MAJORITY OF THE PROBLEMS ON INDUSTRIES CAN BE SOLVED AS MENTIONED IN THIS BOOK IF INDUSTRIES ARE WILLING TO MAKE CHANGES IN HOW THEY DO THINGS IN THE PLANT INDUSTRIES THAT ACHIEVE A LEVEL OF WORLD CLASS MAINTENANCE WERE NOT BORN THAT WAY THEY WERE ALSO REACTIVE IN THE PAST BUT THE LEADERS HAVE A CHANGE OF HEART AND PROPELLED THEIR WORKFORCE TO A NEW DIRECTION SO THAT THEY CAN STAND OFF FROM THE REST AND COMPETE GLOBALLY IN THIS FIERCE WORLD OF COMPETITION

SPARE PARTS MANAGEMENT FOR TECHNICAL SYSTEMS

1999

WITH THE PRESSURE OF TIME BASED COMPETITION INCREASING AND CUSTOMERS DEMANDING FASTER SERVICE AVAILABILITY OF SERVICE PARTS BECOMES A CRITICAL COMPONENT OF MANUFACTURING AND SERVICING OPERATIONS SERVICE PARTS MANAGEMENT FIRST FOCUSES ON INTERMITTENT DEMAND FORECASTING AND THEN ON THE MANAGEMENT OF SERVICE PARTS INVENTORIES IT GUIDES RESEARCHERS AND PRACTITIONERS IN FINDING BETTER MANAGEMENT SOLUTIONS TO THEIR PROBLEMS AND IS BOTH AN EXCELLENT REFERENCE FOR KEY CONCEPTS AND A LEADING RESOURCE FOR FURTHER RESEARCH DEMAND FORECASTING TECHNIQUES ARE PRESENTED FOR PARAMETRIC AND NONPARAMETRIC APPROACHES AND MULTI ECHELON CASES AND INVENTORY POOLING ARE ALSO CONSIDERED INVENTORY CONTROL IS EXAMINED IN THE CONTINUOUS AND PERIODIC REVIEW CASES WHILE THE FOLLOWING ARE ALL EXAMINED IN THE CONTEXT OF FORECASTING ERROR MEASURES DISTRIBUTIONAL ASSUMPTIONS AND DECISION TREES SERVICE PARTS MANAGEMENT PROVIDES THE READER WITH AN OVERVIEW AND A DETAILED TREATMENT OF THE CURRENT STATE OF THE RESEARCH AVAILABLE ON THE FORECASTING AND INVENTORY MANAGEMENT OF ITEMS WITH INTERMITTENT DEMAND IT IS A COMPREHENSIVE REVIEW OF SERVICE PARTS MANAGEMENT AND PROVIDES A STARTING POINT FOR RESEARCHERS POSTGRADUATE STUDENTS AND ANYONE INTERESTED IN FORECASTING OR MANAGING INVENTORY

SPARE PARTS MATERIALS MANAGEMENT

1986

AN INTEGRATIVE APPROACH TO IMPROVING THE RESPONSIVENESS RELIABILITY AND EFFICIENCY OF THE ARMY'S INVENTORY MANAGEMENT AND COMPONENT REPAIR PROCESSES THREE KEY ISSUES ARE IDENTIFIED 1 IMPACT OF UNCERTAINTY AND VARIABILITY IN CUSTOMER DEMANDS ON LONG TERM PLANNING 2 NEED FOR NEAR TERM REPLANNING FOR EXECUTION AND 3 INABILITY OF REPAIR RESPONSIVENESS TO MEET CHANGING REQUIREMENTS ALTERNATIVES FOR IMPROVING BOTH PLANNING AND REPAIR ACTIVITIES ARE PRESENTED AND IT IS SUGGESTED THAT A PILOT EFFORT BE UNDERTAKEN TO DEVELOP AND TEST ALTERNATIVE APPROACHES

SERVICE PARTS MANAGEMENT

2011-03-24

THE MAINTENANCE SPARE PARTS BUSINESS IS IN TURMOIL THERE HAVE BEEN FUNDAMENTAL CHANGES IN THE SALE DISTRIBUTION AND STORAGE OF SPARE PARTS NEEDED TO MAINTAIN MACHINERY AND OTHER PHYSICAL ASSETS THE KEY TO UPTIME IN MANUFACTURING IS MANAGING RISK AND SURVIVING THE SPARE PARTS CRISIS MAINTENANCE STOREROOM AND INVENTORY CONTROL BY JOEL LEVITT DESCRIBES HOW TO EVALUATE RISK IN THE INVENTORY LEVITT SHARES KNOWLEDGE HE HAS GAINED OVER MORE THAN 30 YEARS OF CONSULTING COMPANIES AND PROVIDING TRAINING TO PROFESSIONALS WHO ARE FACING PROBLEMS WITH THEIR SPARE PARTS INVENTORY HIS LATEST BOOK SHOWS HOW THE MAINTENANCE DEPARTMENT CAN PROVIDE BETTER SUPPORT TO PURCHASING AGENTS AND BUYERS IT PROVIDES DOZENS OF IDEAS TO PROPERLY REDUCE INVENTORY REDUCE USAGE AND SAVE MONEY IN PARTS ALL WHILE MAINTAINING SERVICE LEVELS THIS TEXT IS THE ONLY ONE AVAILABLE THAT NOT ONLY COVERS THE CONVENTIONAL WISDOM BUT ALSO DEALS WITH THE NEW REALITIES OF TODAY'S MARKET SPACE THIS IS AN IDEAL RESOURCE FOR MAINTENANCE MANAGERS PLANNERS AND ENGINEERS PARTS SPECIALISTS SUPPLY CHAIN MANAGERS AND ANYONE INVOLVED IN PURCHASING

IMPROVING THE ARMY'S MANAGEMENT OF REPARABLE SPARE PARTS

2005

WITH THE PRESSURE OF TIME BASED COMPETITION INCREASING AND CUSTOMERS DEMANDING FASTER SERVICE AVAILABILITY OF SERVICE PARTS BECOMES A CRITICAL COMPONENT OF MANUFACTURING AND SERVICING OPERATIONS SERVICE PARTS MANAGEMENT FIRST FOCUSES ON INTERMITTENT DEMAND FORECASTING AND THEN ON THE MANAGEMENT OF SERVICE PARTS INVENTORIES IT GUIDES RESEARCHERS AND PRACTITIONERS IN FINDING BETTER MANAGEMENT SOLUTIONS TO THEIR PROBLEMS AND IS BOTH AN EXCELLENT REFERENCE FOR KEY CONCEPTS AND A LEADING RESOURCE FOR FURTHER RESEARCH DEMAND FORECASTING TECHNIQUES ARE PRESENTED FOR PARAMETRIC AND NONPARAMETRIC APPROACHES AND MULTI ECHELON CASES AND INVENTORY POOLING ARE ALSO CONSIDERED INVENTORY CONTROL IS EXAMINED IN THE CONTINUOUS AND PERIODIC REVIEW CASES WHILE THE FOLLOWING ARE ALL EXAMINED IN THE CONTEXT OF FORECASTING ERROR MEASURES DISTRIBUTIONAL ASSUMPTIONS AND DECISION TREES SERVICE PARTS MANAGEMENT PROVIDES THE READER WITH AN OVERVIEW AND A DETAILED TREATMENT OF THE CURRENT STATE OF THE RESEARCH AVAILABLE ON THE FORECASTING AND INVENTORY MANAGEMENT OF ITEMS WITH INTERMITTENT DEMAND IT IS A COMPREHENSIVE REVIEW OF SERVICE PARTS MANAGEMENT AND PROVIDES A STARTING POINT FOR RESEARCHERS POSTGRADUATE STUDENTS AND ANYONE INTERESTED IN FORECASTING OR MANAGING INVENTORY

A SYSTEM APPROACH TO BUDGET-CONSTRAINED SPARE PARTS MANAGEMENT

2000

THIS IS A SPECIALIST GUIDE FOR MANAGERS AND ENTREPRENEURS IN THE GROWING AREA OF PARTS MANAGEMENT THAT IS FOR ANYONE RESPONSIBLE FOR THE PRODUCTION PROCUREMENT STORING SUPPLYING AND OR MARKETING OF COMPONENTS OR SPARE PARTS

SURVIVING THE SPARE PARTS CRISIS

2017

ENGINEERS AND RELIABILITY PROFESSIONALS ARE INCREASINGLY BEING HELD ACCOUNTABLE FOR MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT AND IN RESPONSE THEY NEED TO GAIN A BETTER UNDERSTANDING OF MATERIALS AND SPARE PARTS INVENTORY MANAGEMENT PRINCIPLES AND PRACTICES THIS PRACTICAL BOOK DELIVERS JUST THAT

SERVICE PARTS MANAGEMENT

2011-04-08

THIS BOOK FOCUSSES ON THE AFTER SALES BUSINESS AND PRESENTS THE SERVICE PARTS PLANNING SPP SOLUTION WHICH WAS DEVELOPED BY SAP IN A JOINT EFFORT WITH CATERPILLAR AND FORD IN ORDER TO ADDRESS THE SPECIFIC PLANNING PROBLEMS OF SERVICE PARTS THE BOOK EXPLAINS THE PROCESSES STRUCTURES AND FUNCTIONS OF THIS SOLUTION AND IS TARGETED AT DECISION MAKERS PROJECT MEMBERS AND PROJECT MANAGERS WHO ARE INVOLVED IN AN IMPLEMENTATION OF SAP SERVICE PARTS PLANNING OR FOR USERS WHO WANT TO GAIN A BETTER UNDERSTANDING OF THE STATE OF ART IN SPARE PARTS PLANNING AND THE SAP SERVICE PARTS PLANNING SOFTWARE

THE PARTS BUSINESS

1998

DEFENSE INVENTORY MANAGEMENT ACTIONS NEEDED TO IMPROVE THE COST EFFICIENCY OF THE NAVY S SPARE PARTS INVENTORY

SMART INVENTORY SOLUTIONS

2010-02

DURING THE START OF THIS YEAR 2020 I HAVE BEEN THINKING A LOT ABOUT THE NEED TO RIGHT MY FOURTH BOOK ON MAINTENANCE WHAT TITLE SHOULD I GIVE THIS BOOK AND WHY WHAT INDUSTRIES NEED TODAY ARE CUTTING EDGE MAINTENANCE MANAGEMENT STRATEGIES THAT CAN BE EXPLAINED IN A STRAIGHTFORWARD AND SIMPLE MANNER FOR INDUSTRIES THAT THEY CAN EASILY ADOPT TODAY WHAT EVERY INDUSTRY NEED IS A WAY ON HOW TO SURVIVE THEIR COMPETITION AND REMAIN IN BUSINESS I STARTED DRAFTING THIS BOOK ON MARCH 16 2020 WE ALL KNOW ABOUT THIS PANDEMIC ON COVID 19 WHICH HAVE STRUCK THE WHOLE WORLD AND AFFECTED SO MANY BUSINESSES AND INDUSTRIES IN ALL COUNTRIES GLOBALLY MANY INDUSTRIES HAVE BEEN HALTED BY THIS PANDEMIC AND MANY JOBS WERE LOST AS A RESULT HONESTLY SPEAKING I AM NOT CERTAIN WHEN THIS PANDEMIC WILL END SINCE AS OF THIS WRITING THE NUMBER OF CASES IS INCREASING EXPONENTIALLY AND VACCINE IS STILL UNAVAILABLE IT IS MY HOPE THAT ONCE EVERYTHING GOES BACK TO NORMAL LEADERS IN INDUSTRIES CAN LEARN FROM EXPERIENCE TO MANAGE THE RISKS INVOLVED AND SUSTAIN THEIR ASSETS MORE INTELLIGENTLY WHEN I FIRST PUBLISHED MY FIRST BOOK ON WORLD CLASS MAINTENANCE MANAGEMENT THE 12 DISCIPLINES IN 2009 I THOUGHT I HAVE WRITTEN EVERYTHING THERE IS TO KNOW IN ORDER TO ACHIEVE A LEVEL OF WORLD CLASS MAINTENANCE MANAGEMENT THROUGH THE YEARS WHAT I LEARNED SO FAR IS THAT HAVING A WORLD CLASS MAINTENANCE IS VERY DIFFERENT FROM ACHIEVING A WORLD CLASS RELIABILITY IN THE ORGANIZATION THERE ARE ALSO MANY DEVELOPMENTS AND CHANGES TODAY IN MAINTENANCE THAT WE NEED TO ADOPT THE REASON FOR WRITING THIS BOOK IS NOT ONLY FOR THE READERS TO UNDERSTAND THE NEW TRENDS IN MAINTENANCE BUT ALSO FOR THEM TO UNDERSTAND THE REASON FOR USING THEM THESE STRATEGIES MUST BE ADOPTED BY INDUSTRIES FOR THEIR OWN ADVANTAGE BECAUSE IN TODAY S PHASE THE LAW OF THE JUNGLE APPLIES AND THAT IS SURVIVE NOW OR BE LEFT BEHIND CUTTING EDGE MAINTENANCE MANAGEMENT STRATEGIES THIS BOOK ALSO A SEQUEL DEALS WITH THE DIFFERENT CUTTING EDGE MAINTENANCE STRATEGIES THAT MUST BE ADOPTED BY INDUSTRIES IN ORDER FOR THEM TO SURVIVE THEIR COMPETITION IN INDUSTRIES TODAY THE LAW OF THE JUNGLE APPLIES SURVIVE OR BE LEFT BEHIND LEARN HOW THESE STRATEGIES CAN LINK TOGETHER IN BUILDING A SOLID MAINTENANCE STRUCTURE IN THE PLANT FINALLY UNDERSTAND LEARN THESE CUTTING EDGE MAINTENANCE STRATEGIES IN HELPING BUILD THE RELIABILITY CULTURE FOR INDUSTRIES

SPARE PARTS MANAGEMENT AT THE ROYAL NETHERLANDS NAVY

1998

MAINTENANCE OF EQUIPMENT MACHINERY SYSTEMS AND ALLIED INFRASTRUCTURE COMPRISES THE WAYS AND MEANS OF OPTIMIZING THE AVAILABLE RESOURCES OF MANPOWER MATERIALS TOOLS AND TEST EQUIPMENT WITHIN A SET OF

CONSTRAINTS TO HELP ACHIEVE THE TARGETS OF AN ORGANIZATION BY MINIMIZING THE DOWNTIMES WHETHER THE GOAL IS TO PRODUCE AND SELL A PRODUCT AT A PROFIT OR IS SIMPLY TO PERFORM A MISSION IN A COST EFFECTIVE MANNER THE MAINTENANCE PRINCIPLES DISCUSSED IN THIS TEXT APPLY EQUALLY TO ALL SUCH TYPES OF ORGANIZATIONS IN CONSONANCE WITH THE GROWTH OF THE INDUSTRY AND ITS MODERNIZATION AND THE NEED TO MINIMIZE THE DOWNTIMES OF MACHINERY AND EQUIPMENT THE ENGINEERING EDUCATION SYSTEM HAS INCLUDED MAINTENANCE ENGINEERING AS A PART OF ITS CURRICULUM THIS SECOND EDITION OF THE BOOK CONTINUES TO FOCUS ON THE BASICS OF THIS EXPANDING SUBJECT WITH A BROAD DISCUSSION OF MANAGEMENT ASPECTS AS WELL FOR THE BENEFIT OF THE ENGINEERING STUDENTS IT EXPLAINS THE CONCEPT OF A MAINTENANCE SYSTEM THE EVALUATION OF ITS MAINTENANCE FUNCTIONS MAINTENANCE PLANNING AND SCHEDULING THE IMPORTANCE OF MOTIVATION IN MAINTENANCE THE USE OF COMPUTERS IN MAINTENANCE AND THE ECONOMIC ASPECTS OF MAINTENANCE THIS BOOK ALSO DISCUSSES THE MANPOWER PLANNING AND ENERGY CONSERVATION IN MAINTENANCE MANAGEMENT PRESENTED IN A READABLE STYLE THE BOOK BRINGS TOGETHER THE NUMEROUS ASPECTS OF MAINTENANCE FUNCTIONS EMPHASIZING THE IMPORTANCE OF THIS DISCIPLINE IN THE ENGINEERING EDUCATION IN THIS EDITION A NEW CHAPTER TITLED ADVANCES IN MAINTENANCE CHAPTER 21 HAS BEEN INCLUDED TO WIDEN THE COVERAGE OF THE BOOK BESIDES THE STUDENTS OF ENGINEERING ESPECIALLY THOSE IN STREAMS OF MECHANICAL ENGINEERING AND ITS RELATED DISCIPLINES SUCH AS MINING INDUSTRIAL AND PRODUCTION THIS BOOK WILL BE USEFUL TO THE PRACTISING ENGINEERS AS WELL

EFFECTIVE SPARES MANAGEMENT

1986

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

SERVICE PARTS PLANNING WITH SAP SCMTM

2015-04-21

MATERIALS MANAGEMENT IS AN ESSENTIAL BUSINESS FUNCTION IT IS CONCERNED WITH MANAGING MATERIALS ONE OF THE FOUR BASIC RESOURCES LABOUR MATERIAL EQUIPMENT CAPITAL UNTIL RECENTLY IT WAS CONCERNED WITH PURCHASING RAW MATERIALS AND VERY FEW PARTS FROM LOCAL MARKETS RAW MATERIALS WERE USED TO MAKE MOST OF THE PARTS FOR MAKING END PRODUCTS MATERIALS MANAGEMENT WAS REGARDED AS A ROUTINE FUNCTION AND WAS GIVEN LESS IMPORTANCE BUT OVER THE YEARS FIRMS BEGAN TO PROCURE MORE AND MORE PARTS AND SUBASSEMBLIES FROM LOCAL AS WELL AS GLOBAL MARKETS TODAY OVER 50 OF THE REVENUE OF THE FIRMS GOES FOR PROCURING MATERIALS PARTS AND SUBASSEMBLIES FROM OUTSIDE AS A RESULT MATERIALS MANAGEMENT FUNCTION HAS EVOLVED FROM A CLERICAL BUYING FUNCTION INTO A STRATEGIC BUSINESS FUNCTION THAT HELPS FIRMS TO SURVIVE AND GROW IT CREATES COMPETITIVE EDGE BY CREATING SUPERIOR VALUE BY DELIVERING QUALITY PRODUCT OR SERVICE ON TIME AND OFFERING LOWER COST BY CUTTING ITS OWN COST AS WELL AS CUTTING PURCHASED ITEM COST VERY FEW OF THE AVAILABLE TEXTS OFFER A COMPREHENSIVE VIEW OF THE SUBJECT DATA AND EXAMPLES AND CASES IN THE CONTEXT OF INDIAN INDUSTRIES ARE LIMITED THE CONTENTS OF THE SUBJECT ARE UNDERGOING RAPID CHANGES EARLIER PURCHASING WAS MOSTLY CONFINED TO RAW MATERIALS BY MANUFACTURING FIRMS WHEREAS NOW A LARGE PART OF IT CONSISTS OF PARTS SUBASSEMBLIES AND ASSEMBLIES BESIDE RAW MATERIALS A SMALLER NUMBER OF SUPPLIERS ARE PREFERRED NOW A DAYS GLOBAL SOURCING IS AN ACCEPTED NORM A CHANGE IN SUPPLIER RELATIONS FROM ADVERSARIAL TO PARTNERSHIP IS EVIDENT LOT SIZES AND LEAD TIMES ARE SMALLER AND THERE IS GREATER USE OF INFORMATION TECHNOLOGY THE BOOK IS DESIGNED TO PROVIDE COMPREHENSIVE COVERAGE OF THE FIELD OF MATERIALS MANAGEMENT BY INCLUDING EMERGING CONCEPTS PRACTICES TOOLS TECHNIQUES HEURISTICS AND QUANTITATIVE MODELS OTHER FEATURES OF THE BOOK INCLUDE V IMPORTANT TOPICS LIKE OUTSOURCING PURCHASE STRATEGIES AND ENTERPRISE RESOURCE PLANNING V CASES FROM INDIAN INDUSTRIES ON VENDOR MANAGED INVENTORY OUTSOURCING AND SPARE PARTS INVENTORY V DEFINITION OF KEY TERMS V QUESTIONS AT THE END OF EACH CHAPTER AND ANSWERS OF SELECTED QUESTIONS THE BOOK CAN SERVE AS A TEXT FOR UNDERGRADUATE AND POSTGRADUATE LEVEL COURSES ON MATERIALS MANAGEMENT IN THE INSTITUTES OF MANAGEMENT ENGINEERING AND TECHNOLOGY MATERIALS INDUSTRIAL ENGINEERING OPERATIONS RESEARCH AND OTHERS IT CAN ALSO SERVE AS A REFERENCE FOR MANAGERS ENGINEERS CONSULTANTS AND OTHERS INTERESTED IN THE FIELD

SPARE PARTS LEGISLATION

1984

THIS BOOK CONSTITUTES THE THOROUGHLY REFEREED POST CONFERENCE PROCEEDINGS OF THE INTERNATIONAL IFIP WG 5.7 CONFERENCE ON ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS APMS 2011 HELD IN STAVANGER NORWAY IN SEPTEMBER 2011 THE 66 REVISED AND EXTENDED FULL PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 124 PAPERS PRESENTED AT THE CONFERENCE THE PAPERS ARE ORGANIZED IN 3 PARTS PRODUCTION PROCESS SUPPLY

CHAIN MANAGEMENT AND STRATEGY THEY REPRESENT THE BREADTH AND COMPLEXITY OF TOPICS IN OPERATIONS MANAGEMENT RANGING FROM OPTIMIZATION AND USE OF TECHNOLOGY MANAGEMENT OF ORGANIZATIONS AND NETWORKS TO SUSTAINABLE PRODUCTION AND GLOBALIZATION THE AUTHORS USE A BROAD RANGE OF METHODOLOGICAL APPROACHES SPANNING FROM GROUNDED THEORY AND QUALITATIVE METHODS VIA A BROAD SET OF STATISTICAL METHODS TO MODELING AND SIMULATION TECHNIQUES

IMPORT PROCUREMENT AND MATERIALS MANAGEMENT OF AUTOMOTIVE SPARE PARTS

1994

INVENTORY CONTROL IS VITALLY IMPORTANT TO ALMOST ANY TYPE OF INDUSTRY WHETHER PRODUCT OR SERVICE ORIENTED INVESTMENTS IN RAW MATERIALS SPARE PARTS WORK IN PROGRESS AND FINISHED PRODUCTS ARE ALL CRITICAL COSTS OF OPERATIONS WHICH IF NOT CONTROLLED CAN LEAD TO HIGH CAPITAL COSTS HIGH OPERATING COSTS AND DECREASED PRODUCTION EFFICIENCY THIS BOOK FOCUSES ON THE PROBLEMS OF MATERIALS CONTROL IN SMALL SCALE MANUFACTURING INDUSTRIES IT EXPLAINS HOW TO OPTIMIZE THE AVAILABLE RESOURCES WITH A VIEW TO REDUCING MATERIAL COSTS AND ACHIEVING IMPROVED CAPITAL TURNOVER IT ALSO ANALYZES A FEW SELECTED INDUSTRIES AND CRITICALLY REVIEWS THEIR PERFORMANCE IN THE AREA OF INVENTORY CONTROL THE BOOK IS DESIGNED AS A TEXT ON INVENTORY MANAGEMENT FOR POSTGRADUATE STUDENTS PURSUING COURSES IN COMMERCE MANAGEMENT AND BUSINESS STUDIES IT IS ALSO SUITABLE FOR ALL THOSE STUDYING FOR PROFESSIONAL QUALIFICATIONS SUCH AS CA ICWA AND CS

SPARE PARTS PROCUREMENT FOR THE DEPARTMENT OF DEFENSE

1984

MANY PARTS MANAGERS UNDERESTIMATE THE BUSINESS MANAGEMENT EXPERTISE COMBINED WITH PARTS KNOWLEDGE THAT IS REQUIRED TO EFFICIENTLY OPERATE A PARTS DEPARTMENT AUTHOR GARY NAPLES BRINGS TWENTY YEARS OF PARTS MANAGEMENT EXPERIENCE TO BY THE NUMBERS PRINCIPLES OF AUTOMOTIVE PARTS MANAGEMENT THIS BOOK PRESENTS BASIC PARTS MANAGEMENT PRINCIPLES ALONG WITH BUSINESS AND PERSONNEL MANAGEMENT TECHNIQUES IN AN EASY TO UNDERSTAND FORMAT EACH CHAPTER BEGINS WITH AN ILLUSTRATIVE CASE WHICH DESCRIBES A TYPICAL SITUATION PERTINENT TO THE CHAPTER'S THEME THAT COULD OCCUR IN REAL WORLD PARTS DEPARTMENTS

AIR FORCE SUPPLY MANAGEMENT ACTIONS CREATE SPARE PARTS SHORTAGES AND OPERATIONAL PROBLEMS : REPORT TO THE CHAIRMAN, SUBCOMMITTEE ON MILITARY READINESS, COMMITTEE ON ARMED SERVICES, HOUSE OF REPRESENTATIVES

2018-01-17

THE BOOK IS A COLLECTION OF HIGH QUALITY RESEARCH PAPERS PRESENTED AT INTELLIGENT COMMUNICATION TECHNOLOGIES AND VIRTUAL MOBILE NETWORKS IICV HELD AT FRANCIS XAVIER ENGINEERING COLLEGE TIRUNELVELI TAMIL NADU INDIA DURING FEBRUARY 10 11 2022 THE BOOK SHARES KNOWLEDGE AND RESULTS IN THEORY METHODOLOGY AND APPLICATIONS OF COMMUNICATION TECHNOLOGY AND MOBILE NETWORKS THE BOOK COVERS INNOVATIVE AND CUTTING EDGE WORK OF RESEARCHERS DEVELOPERS AND PRACTITIONERS FROM ACADEMIA AND INDUSTRY WORKING IN THE AREA OF COMPUTER NETWORKS NETWORK PROTOCOLS AND WIRELESS NETWORKS DATA COMMUNICATION TECHNOLOGIES AND NETWORK SECURITY

DEFENSE INVENTORY

2020-04-26

CUTTING-EDGE MAINTENANCE MANAGEMENT STRATEGIES

2012-04-02

MAINTENANCE ENGINEERING AND MANAGEMENT

2013-12-16

PROCEEDINGS OF 20TH INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND ENGINEERING MANAGEMENT

2009

MATERIALS MANAGEMENT

2012-09-26

ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS. VALUE NETWORKS: INNOVATION, TECHNOLOGIES, AND MANAGEMENT

2006-01-01

INVENTORY MANAGEMENT

1994-08-01

BY THE NUMBERS

2004

A MULTI-ITEM SPARE PARTS INVENTORY MODEL WITH CUSTOMER DIFFERENTIATION

1984-01-01

SERVICE PARTS MANAGEMENT

1986

DEPARTMENT OF DEFENSE AUTHORIZATION FOR APPROPRIATIONS FOR FISCAL YEAR 1987

2020-07-26

PROBLEMS AND SOLUTIONS ON MRO SPARE PARTS AND STOREROOM

2020-07-26

2023-07-25

PROBLEMS AND SOLUTIONS ON MRO SPARE PARTS AND STOREROOM

1986

HIERARCHICAL SPARE PARTS INVENTORY SYSTEMS

1986

HIERARCHICAL SPARE PARTS INVENTORY SYSTEMS

1984

SECRETARY OF DEFENSE AND CHAIRMAN, JOINT CHIEFS OF STAFF

2022-07-19

INTELLIGENT COMMUNICATION TECHNOLOGIES AND VIRTUAL MOBILE NETWORKS

1963

DEPARTMENT OF DEFENSE APPROPRIATIONS FOR 1964

- [FUNNY TEAM BUILDING ACTIVITIES .PDF](#)
- [BUILDING VOCABULARY SKILLS 4TH EDITION ANSWERS KEY \(PDF\)](#)
- [POLARIS SCRAMBLER 1998 REPAIR SERVICE MANUAL \(READ ONLY\)](#)
- [DISPENSE DI INFORMATICA GIURIDICA UNIROMA2 \(2023\)](#)
- [CEREAL MAGAZINE FONT FULL PDF](#)
- [SIX FLAGS GEORGIA CODES .PDF](#)
- [LAB MANUAL MARIEB HEART .PDF](#)
- [1946 HERCULES ENGINE MANUAL .PDF](#)
- [THERMODYNAMICS GASKELL SOLUTION \[PDF\]](#)
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- [EARTH ANSWERS SCIENCE REGENTS AND MIDTERM PREPARATION FULL PDF](#)
- [HOLT RINEHART WINSTON MODERN BIOLOGY WORKSHEET ANSWERS \(2023\)](#)
- [LOKI MIKE VASICH \(PDF\)](#)
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