Engineering Change Request Procedure

The book is divided into three parts. Part I. The Rising economy of “one” gives an overview of what is changing in the social system of production, it refers to the weakening role of central planning and the rising power of individuation in the value creation chain. Part II. Lean Enterprise in theory refers to the principles of lean thinking, the transfer of lean philosophy from East to West and discusses the necessary adaptation to the Western way of thinking and practice. It presents a practice proven method for achieving a lean integrated demand and supply chain and analyses in detail the related implementation steps. Criteria for a successful displacement of a company to a lean state are presented. Part III. Lean Enterprise in practice provides a number of implementation cases in different types of production companies using the method presented in Part II. The goal is to help the reader comprehend how the method can be applied to real lean implementation situations in resolving various issues, ranging from production to the supply chain. A vision of implementation to lean electricity completes the book.
The fourth edition of Essentials of Project Management is the complement to Dennis Lock's comprehensive, and encyclopaedic textbook; Project Management (now in its Tenth Edition). Essentials provides a concise account of the principles and techniques of project management, designed to meet the needs of the business manager or student. Using examples and illustrations, the author introduces the key project management procedures and explains clearly how and when to use them. More people than ever before need to understand the basic processes, language and purpose of project working. Essentials of Project Management remains the ideal text for anyone new to project working, including; senior managers, project sponsors, stakeholders or students studying project management as part of a wider business qualification or degree.
Frank B. Watts
This Handbook was the first APM Body of Knowledge Approved title for the Association for Project Management. Over the course of five editions, Gower Handbook of Project Management has become the definitive desk reference for project management practitioners. The Handbook gives an introduction to, and overview of, the essential knowledge required for managing projects. The team of expert contributors, selected to introduce the reader to the knowledge and skills required to manage projects, includes many of the most experienced and highly regarded international writers and practitioners. The Fifth Edition has been substantially restructured. All but two of the authors are new, reflecting the fast-changing and emerging perspectives on projects and their management. The four sections in the book describe: ¢ Projects, their context, value and how they are connected to organizational strategy; ¢ Performance: describing how to manage the delivery of the project, covering scope, quality, cost, time, resources, risk and sustainability ¢ Process: from start up to close down ¢ Portfolio: the project and its relationship to the organization The discrete nature of each chapter makes this Handbook a wonderful source of advice and background theory that is easy to consult. Gower Handbook of Project Management is an encyclopaedia for the discipline and profession of project management; a bible for project clients, contractors and students.
Design Assurance for Engineers and Managers
Theory and Application for Engineers, Managers, and Practitioners

Quality Assurance Technical Procedures
Engineering Documentation Control / Configuration Management Standards Manual
Improving an Engineering Change Request Management System to Improve Quality and Efficiency [electronic Resource]
TECHNICAL DRAWING FOR ENGINEERING COMMUNICATION, 7E offers a fresh, modern approach to technical drawing that combines the most current industry standards with up-to-date technologies and software, resulting in a valuable, highly relevant resource you won't want to be without. The book builds on features that made its previous editions so successful: comprehensive coverage of the total technical drawing experience that explores both the basic and advanced aspects of engineering and industrial technology and reviews both computer modeling and more traditional methods of technical drawing. Enhancements for the seventh edition include updates based on industry trends and regulations, an all-new chapter on employability skills, and additional content on SolidWorks 3D modeling software for drafting technicians. The end result is a tool that will give you the real-world skills needed for a successful career in CAD, drafting, or design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
This handbook is a new systematic approach to engineering documentation, therefore, it will simplify the end users ability to set up or enhance their engineering documentation requirements. Companies with small manual systems to large-scale mass production facilities can use this handbook to tailor their engineering documentation requirements. If an individual or company wishes to create or improve an engineering documentation system, there is no need to start from scratch. Instead, use this new handbook, complete with 47 specially designed forms and with procedures that cover every major aspect of a comprehensive engineering documentation system. Another book published by Noyes, Engineering Documentation Control Handbook can be very helpful if used in conjunction with this handbook. This book contains 62 engineering procedures and 27 forms. Most of these engineering procedures are influenced by the author's background in aircraft, aerospace, and the computer industry. The manufacture of Printed Circuit Boards was used as an example throughout the book. However, the principles are applicable to all engineering and operational disciplines.
Dennis Lock's masterly exposition of the principles and practice of project management has been pre-eminent in its field for 45 years and was among the first books to treat project management as a holistic subject. But Project Management has been kept completely up to date by regular and sensitive revisions to ensure that it remains fresh and totally relevant. Project Management explains the entire project management process in great detail, demonstrating techniques from simple charts to detailed computer applications. Everything is reinforced with clear diagrams and case examples, many new for this edition. The author has expanded discussion of topics such as supply chain management and the project management office (PMO), and there are new chapters about implementing change management projects and the role of senior managers in supporting projects. Obsolescent or less frequently used methods have been stripped out, but readers of the hardback Tutor’s Edition will find that this deleted material lives on as new chapters on the accompanying downloadable resources, which have been thoroughly revised. Importantly, that disc includes comprehensive Power Point presentations with hundreds of well designed slides that tutors can use directly as a valuable resource for their lectures. Students have always commented on this book’s reader-friendly style, which is free of unnecessary jargon, with clear diagrams and a construction that is logically organized, well indexed and simple to navigate. This Tenth Edition is certain to maintain the book's acclaimed status as the standard work for managers and students alike.
Addressing product liability concerns and laws both in the U.S. and internationally, this book helps manufacturers and engineers develop and implement proactive processes that can reduce liability concerns and potential lawsuits. It discusses preventive measures in the engineering, development, and manufacturing of products and explains the procedures and processes manufacturers must have in place to reduce the likelihood of liability as well as to provide the best defense in case of a lawsuit. This is a premier resource for engineers, manufacturers, risk managers, and others concerned about product liability.
Engineering and Product Development Management
From the Mass Economy to the Economy of One
Impressions on Coin-Operated Video Game Machines
A review of current practice
Concepts and Applications
The Holistic Approach
Engineering Documentation Control Practices & ProceduresCRC Press
Get to know a key ingredient to world-class product manufacturing With this manual, you have the best of the best management practices for the configuration management processes. It goes a long way toward satisfying Total Quality Management, FDA, GMP, Lean CM and ISO/QS/AS 9XXX process documentation requirements. The one requirement common to all those standards is to document the processes and to do what you document.
Computer-aided process engineering (CAPE) plays a key design and operations role in the process industries, from the molecular scale through managing complex manufacturing sites. The research interests cover a wide range of interdisciplinary problems related to the current needs of society and industry. ESCAPE 23 brings together researchers and practitioners of computer-aided process engineering interested in modeling, simulation and optimization, synthesis and design, automation and control, and education. The proceedings present and evaluate emerging as well as established research methods and concepts, as well as industrial case studies. Contributions from the international community using computer-based methods in process engineering Reviews the latest developments in process systems engineering Emphasis on industrial and societal challenges
This volume constitutes the refereed proceedings of ten international workshops, OTM Academy, Industry Case Studies Program, EI2N, INBAST, Meta4eS, OnToContent, ORM, SeDeS, SINCOM and SOMOCO 2012, held as part of OTM 2012 in Rome, Italy, in September 2012. The 66 revised full papers presented were carefully reviewed and selected from a total of 127 submissions. The volume also includes 7 papers from the On the Move Academy (OTMA) 2012 as well as 4 CoopIS 2012 poster papers and 5 ODBASE 2012 poster papers. The paper cover various aspects of computer supported cooperative work (CSCW), middleware, Internet/Web data management, electronic commerce, enterprise modelling, workflow management, knowledge flow, agent technologies, information retrieval, software architectures, service-oriented computing, and cloud computing.
Reducing the Risk of Product Liability for Manufacturers
eBook: Manufacturing Planning and Control
Cost Savings Through Standardization, Simplification, Specialization in Electrically Operated Household Appliances
Configuration Management and Product Lifecycle Management
Engineering Drawing and Design
Mastering Uncertainty in Mechanical Engineering
The book provides a comprehensive approach to configuration management from a variety of product development perspectives, including embedded and IT. It provides authoritative advice on how to extend products for a variety of markets due to configuration options. The book also describes the importance of configuration management to other parts of the organization. It supplies an overview of configuration management and its process elements to provide readers with a contextual understanding of the theory, practice, and application of CM. The book illustrates the interplay of configuration and data management with all enterprise resources during each phase of a product lifecycle.
SMC COLOMBIER FONTAINE is a company in the AFE METAL group, which uses a sand casting process to manufacture steel primary parts. To reduce the "time to market", primary part producers need to reduce the time and cost of the industrialisation process. These factors, in addition to the global goal of improving process performance levels, brought SMC to develop numerical technologies and traceability from quotation to part delivery [1]. Nowadays, these improvements are incorporated into company culture. The next step in reducing the time and cost of the production process is to introduce a complete methodology of use and experience feedback of these new models and methods. To be able to generalise this approach, a CAD methodology is essential and thus becomes a step in the industrialisation process. The amount of improvements engendered by the numerical technologies largely justifies the time investment made to obtain a numerical definition of all the different elements in the sand casting process [2]. The objective of our approach is to optimise the product and its production process by generating a complete numerical reference, through the integration of quotation, CAD, simulation, new manufacturing technologies and effective production processes.
This open access book reports on innovative methods, technologies and strategies for mastering uncertainty in technical systems. Despite the fact that current research on uncertainty is mainly focusing on uncertainty quantification and analysis, this book gives emphasis to innovative ways to master uncertainty in engineering design, production and product usage alike. It gathers authoritative contributions by more than 30 scientists reporting on years of research in the areas of engineering, applied mathematics and law, thus offering a timely, comprehensive and multidisciplinary account of theories and methods for quantifying data, model and structural uncertainty, and of fundamental strategies for mastering uncertainty. It covers key concepts such as robustness, flexibility and resilience in detail. All the described methods, technologies and strategies have been validated with the help of three technical systems, i.e. the Modular Active Spring-Damper System, the Active Air Spring and the 3D Servo Press, which have been in turn developed and tested during more than ten years of cooperative research. Overall, this book offers a timely, practice-oriented reference guide to graduate students, researchers and professionals dealing with uncertainty in the broad field of mechanical engineering.
Guidelines for the Management of Change for Process Safetyprovides guidance on the implementation of effective and efficientManagement of Change (MOC) procedures, which can be applied toimprove process safety. In addition to introducing MOC systems, thebook describes how to design an initial system from scratch,including the scope of the system and the applications over a plantlife cycle and the boundaries and overlaps with other processsafety management systems. Note: CD-ROM/DVD and other supplementary materials arenot included as part of eBook file.
Basic Fixture Design
Developing and Managing Engineering Procedures
Methods and Tools for Co-operative and Integrated Design
Handbook of Industrial Engineering
On the Move to Meaningful Internet Systems: OTM 2012 Workshops
Managing by Projects for Business Success
This book describes the concepts and methods of a discipline called design assurance, and reveals many nontechnical aspects that are necessary for getting the work done in an engineering department. It is helpful to engineers and their managers in understanding and using design assurance techniques.
If R&D and innovation in the 1990s were about more internationalization, more corporate entrepreneurship, and more information-integration, then the 2000s have been about consolidating and expanding these trends further: more globalization including the technology mavericks of China and India, more open and inbound innovation integrating external technology providers, and more web- and Intern- enabling of innovation processes by involving R&D contributors regardless of their location. The corporate R&D powerhouses of the 1980s are now mostly history. Even where they survived, they had to yield to corporate efficiency efforts and business-wide integration programs. Still, it would be unfair to belittle them in retrospect as they have found new roles in corporate R&D and innovation n- works. In fact, the very successes of centralized R&D organizations of the 1970s and 1980s made possible the revolution of globalized innovation that we have been witnessing since the 1990s. The first two editions of Managing Global Innovation, published in 1999 and 2000, were testimonials of an increasingly internationalizing world of innovation and R&D. In this third edition of Managing Global Innovation, we have retained the basic structure of two conceptual parts (I and II) and three case study parts (III, IV, V). However, we have greatly revised all chapters, including the final “Imp- cations” chapter (part VI), and incorporated new chapters and cases that illuminate and describe the recent trends in the context of the beginnings of global innovation in the 1980s and 1990s.
*Unrivaled coverage of a broad spectrum of industrial engineering concepts and applications The Handbook of Industrial Engineering, Third Edition contains a vast array of timely and useful methodologies for achieving increased productivity, quality, and competitiveness and improving the quality of working life in manufacturing and service industries. This astoundingly comprehensive resource also provides a cohesive structure to the discipline of industrial engineering with four major classifications: technology; performance improvement management; management, planning, and design control; and decision-making methods. Completely updated and expanded to reflect nearly a decade of important developments in the field, this Third Edition features a wealth of new information on project management, supply-chain management and logistics, and systems related to service industries. Other important features of this essential reference include: * More than 1,000 helpful tables, graphs, figures, and formulas * Step-by-step descriptions of hundreds of problem-solving methodologies * Hundreds of clear, easy-to-follow application examples * Contributions from 176 accomplished international professionals with diverse training and affiliations * More than 4,000 citations for further reading The Handbook of Industrial Engineering, Third Edition is an immensely useful one-stop resource for industrial engineers and technical support personnel in corporations of any size; continuous process and discrete part manufacturing industries; and all types of service industries, from healthcare to hospitality, from retailing to finance. Of related interest . . . HANDBOOK OF HUMAN FACTORS AND ERGONOMICS, Second Edition Edited by Gavriel Salvendy (0-471-11690-4) 2,165 pages 60 chapters "A comprehensive guide that contains practical knowledge and technical background on virtually all aspects of physical, cognitive, and social ergonomics. As such, it can be a valuable source of information for any individual or organization committed to providing competitive, high-quality products and safe, productive work environments."-John F. Smith Jr., Chairman of the Board, Chief Executive Officer and President, General Motors Corporation (From the Foreword)*
This book provides hands-on techniques for writing engineering procedures to achieve ISO 9000 compliance. It is designed for individuals responsible for writing these procedures in any industry. Readers will find actual examples of clearly written, compliant engineering procedures, ready to adapt to your own industry and your own particular needs and use immediately. It answers virtually all your procedure writing questions. Procedure writers will gain a general understanding of engineering documentation principles and how to apply them to their own situations. Simple diagrams and other graphics illustrate key ideas, giving a bird's-eye view of what is coming next. The intent of the book is to familiarize the reader with the essential elements and concepts of engineering procedure development and management and show how to apply these concepts to their own specific applications. The author emphasizes engineering principles and tools that are common to all engineering disciplines, with examples for their use. Step-by-step procedures shown for each document format enable readers to apply each format to their own engineering documentation programs quickly and easily. The book provides a fingertip reference that covers the entire engineering procedure process, using the latest technology for engineering documentation systems.
The Business Development Process
A Step by Step Guide for Achieving Compliance in the Pharmaceutical, Medical Device, and Biotech Industries
The Pursuit of New Product Development
23rd European Symposium on Computer Aided Process Engineering
The Essentials of Project Management
Technology and Operations Management
Practical guide to managing engineering product development, using a holistic approach.
vi The process is important! I learned this lesson the hard way during my previous existence working as a design engineer with PA Consulting Group's Cambridge Technology Centre. One of my earliest assignments involved the development of a piece of labo- tory automation equipment for a major European pharmaceutical manufacturer.Two things stick in my mind from those early days – first, that the equipment was always to be ready for delivery in three weeks and,second,that being able to write well structured Pascal was not sufficient to deliver reliable software performance. Delivery was ultimately six months late,the project ran some sixty percent over budget and I gained my first promotion to Senior Engineer. At the time it puzzled me that I had been unable to predict the John Clarkson real effort required to complete the automation project – I had Reader in Engineering Design, genuinely believed that the project would be finished in three Director, Cambridge Engineering weeks.It was some years later that I discovered Kenneth Cooper's Design Centre papers describing the Rework Cycle and realised that I had been the victim of “undiscovered rework”.I quickly learned that project plans were not just inaccurate,as most project managers would attest,but often grossly misleading,bearing little resemblance to actual development practice.
This title was first published in 2001. Synopsis: The Essentials of Project Management is a primer assembled from Dennis Lock's comprehensive book, Project Management. It provides a concise, straightforward account of the principles and techniques of project management designed to meet the needs of the non-specialist. This second edition reflects the changes made for the seventh edition of Project Management. The ideal introduction for anyone responsible for managing projects, as well as students.
ENGINEERING DRAWING AND DESIGN, 5E provides your students with an easy-to-read, A-to-Z coverage of drafting and design instruction that complies with the latest (ANSI & ASME) industry standards. This fifth edition continues its twenty year tradition of excellence with a multitude of actual quality industry drawings that demonstrate content and provide problems for real world, practical application. The engineering design process featured in ENGINEERING DRAWING AND DESIGN, 5E follows an actual product design from concept through manufacturing, and provides your students with a variety of design problems for challenging applications or for use as team projects. Also included in this book is coverage of Civil Drafting, 3D CADD, solid modeling, parametric applications, and more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Product Lifecycle Management
Lawsuit!
Gower Handbook of Project Management
Technical Drawing for Engineering Communication
Design Process Improvement
Six Sigma Quality for Business and Manufacture
Drawing from deep archival research and extensive interviews, Atari Design is a rich, historical study of how Atari's industrial and graphic designers contributed to the development of the video game machine. Innovative game design played a key role in the growth of Atari – from Pong to Asteroids and beyond – but fun, challenging and exciting game play was not unique to the famous Silicon Valley company. What set it apart from its competitors was innovation in the coin-op machine's cabinet. Atari did not just make games, it designed products for environments. With “tasteful packaging”, Atari exceeded traditional locations like bars, amusement parks and arcades, developing the look and feel of their game cabinets for new locations such as fast food restaurants, department stores, country clubs, university unions, and airports, making game-play a ubiquitous social and cultural experience. By actively shaping the interaction between user and machine, overcoming styling limitations and generating a distinct corporate identity, Atari designed products that impacted the everyday visual and material culture of the late 20th century. Design was never an afterthought at Atari.
Product Lifecycle Management (2nd edition) explains what Product Lifecycle Management (PLM) is, and why it's needed. It describes the environment in which products are developed, realised and supported, before looking at the basic components of PLM, such as the product, processes, applications, and people. The final part addresses the implementation of PLM, showing the steps of a project or initiative, and typical activities. This new and expanded edition of Product Lifecycle Management is fully updated to reflect the many advances made in PLM since the release of the first edition. It includes descriptions of PLM technologies and examples of implementation projects in industry. Product Lifecycle Management will broaden the reader’s understanding of PLM, nurturing the skills needed to implement PLM successfully and to achieve world-class product performance across the lifecycle. “A 20-year veteran of PLM, I highly recommend this book. A clear and complete overview of PLM from definition to implementation. Everything is there - reasons, resources, strategy, implementation and PLM project management.” Achim Heilmann, Manager, Global Technical Publications, Varian Medical Systems “Product Lifecycle Management is an important technology for European industry. This state-of-the art book is a reference for those implementing and researching PLM.” Dr. Erastos Filos, Head of Sector “Intelligent Manufacturing Systems”, European Commission “This book, written by one of the best experts in this field, is an ideal complement for PLM courses at Bachelor and Master level, as well as a well-founded reference book for practitioners.” Prof. Dr.-Ing. Dr. h.c. Sandor Vajna, University of Magdeburg, Germany “This comprehensive book can help drive an understanding of PLM at all levels – from CEOs to CIOs, and from professors to students – that will help this important industry continue to expand and thrive.” James Heppelmann, President and Chief Executive Officer, PTC “PLM is a mission-critical decision-making system leveraged by the world’s most innovative companies to transform their process of innovation on a continuous basis. That is a powerful value proposition in a world where the challenge is to get better products to the market faster than ever before. That is the power of PLM.” Tony Affuso, Chairman and CEO, Siemens PLM Software
How do you manage a company which runs hundreds of changing projects continually to maintain global competitiveness – what form of organization is used? How are the targets aligned to business strategy? Who sets the specifications or targets? How are they all reviewed? Who implements the results and how are these audited and checked, against the strategic framework, the targets set, and the results expected? Managing by Projects for Business Success develops a detailed appreciation of the approach to practical application, together with a parallel set of detailed methodology sections, tools and techniques, to help put the principles into practice. It provides the professional change manager with a wide range of practical methodologies and case examples from leading international service and manufacturing companies, comprehensively backed up by extensive source literature references. It will also be an invaluable supporting text for university business and engineering courses, as well as for in-service courses for senior managers and professionals with its distillation of a wide range of practical experiences illustrated by best-price case examples from a wide range of industries. Managing by Projects for Business Success develops along a backbone of six core chapters, from an initial definition of the strategic context for managing by projects, through explanation of a standard but flexible project process and then through specific application areas of generic importance to many organisations and enterprises.
Discusses the requirements for establishing, maintaining and revitalizing an efficient engineering documentation control system for use by technical and manufacturing personnel in private industry. The book stresses simplicity and common sense in the development and implementation of all control practices, procedures and forms. A list of effective interchangeability rules, a glossary of essential engineering documentation terms and an extensive bibliography of key literature sources are provided.;This work is intended for mechanical, computer, design, manufacturing and civil engineers; program, purchasing and documentation and production control managers; and upper-level undergraduate, graduate and continuing-education students in these fields.
Engineering Procedures Handbook
The Lean Enterprise
Engineering Documentation Control Practices & Procedures
Confederated International Workshops: OTM Academy, Industry Case Studies Program, EI2N, INBAST, META4eS, OnToContent, ORM, SeDeS, SINCOM, and SOMOCO 2012,Rome, Italy, September 10-14, 2012. Proceedings
Machine Design
Guidelines for the Management of Change for Process Safety
Uses basic terms to explain fixture design. Focuses on actual tooling procedures throughout. Provides a full understanding of the design and application of fixture tools and checking fixtures, welding fixtures and procedures, three-dimensional space in checking compound warped surfaces, measurement systems, and the simple mathematics required. This Print-on-Demand version replaces ISBN 978-0-8311-0207-4. This lavishly illustrated introduction to fixture design takes the reader from concept to building. It details the mechanics, materials used, commercially available components, design procedures, and economics.
Six Sigma is Business and Industry's newest recognized quality program. This text provides information and instructions for new and current quality professionals in order to help employ methods to attain Six Sigma defect quality assurance within their company. All areas of business and manufacture are covered. Detailed checklists, questionnaires and forms assist personnel in developing their own programs to 'prevent' problems from occurring and to solve new and long-term problems in services and manufacturing. Examples and formulae are provided for use to determine if, when and then how much a process may be adjusted for reaching higher quality assurance levels. Knowledgeable readers will be able to use this comprehensive text immediately in the workplace.
eBook: Manufacturing Planning and Control
Product Development begins with an understanding of market needs, within a sound business model, a well-defined financial strategy, and well-thought-out strategic goals. This new book by industry-expert Marc Annacchino, will help the professional engineer, manager, marketer, and all others who must come together as a working team, to better understand their respective roles and responsibilities in that process. Today, speeding the right value proposition to the market can make all the difference between success and failure. With case examples, organizational analysis and project planning tools, this new book looks at that longer, organizational view of product development, and how that view can improve product development cycle times and better take advantage of new market opportunities. It will help the product development team better adapt to change and a dynamic market in today ’ s global economy through product platform management, and do so rationally and reliably. And it will help product development professionals to look for hidden value in existing product lines as they plan for that change and growth ahead. · Provides product development professionals with the concepts and tools for a more integrated, successful product development cycle · Promotes a more coherent deployment of managers, engineers, marketers, and sales personnel to achieve results within market opportunity in terms of time, cost and performance. · Shows how to better identify and target product value propositions in product line extensions and in securing new markets
Uncovering the Secrets of Future Competitiveness
A Step-by-step Guide for Automotive Suppliers
Project Management
Board of Contract Appeals Decisions
Standardized development of computer software
The ISO/TS 16949 Answer Book
This study reviewed the engineering change process using quality improvement tools such as process mapping and value stream mapping to increase efficiency and improve quality for the internal customers at Company XYZ. The literature review focused on important aspects of an engineering change system, how to properly create a process map, and successful ways to create and implement value stream mapping activities. The methodology of this project included the review of the existing engineering change process through data analysis and discovered areas of improvement from applying quality improvement tools such as value stream mapping. The results from the data analysis and quality improvement methods proved to be significant for increasing efficiency and communication of the engineering change process. The conclusion of this study reported on areas of discovery and recommendations for future study.
Spanning every critical element of validation for any pharmaceutical, diagnostic, medical device or equipment, and biotech product, this Second Edition guides readers through each step in the correct execution of validating processes required for non-aseptic and aseptic pharmaceutical production. With 14 exclusive environmental performance evaluati
Managing Global Innovation
Configuration Management, Second Edition
Validation Standard Operating Procedures
21st Century Paradigm for Product Realisation
Atari Design
Procurement