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**Project Recovery** - Harold Kerzner - 2014-02-07
Best practices for picking up the pieces when projects fail

There are plenty of books available offering best practices that help you keep your projects on track, but offer guidance on what to do when the worst has already happened. Some studies show that more than half of all large-scale project fail either fail completely, or at least miss targeted budget and scheduling goals. These failures cost organizations time, money, and labor. Project Recovery offers wise guidance and real-world best practices for saving failed projects and recovering as much value as possible from the wreckage. Since failing project cannot be managed using the same lifecycle phases employed with succeeding projects, most project management professionals are unprepared to tackle the challenge of project recovery. This book presents valuable case studies and a recovery project lifecycle to help project managers identify and respond effectively to a troubled project. Includes case studies and best practices for saving failing projects or recovering projects that have already failed.

Written by experience project manager Howard Kerzner, the author of Project Management Best Practices, Third Edition Features proven techniques for performing project health checks and determining the degree of failure and the recovery options available. Includes a new recovery lifecycle that includes phases and checklists for turning around failing projects. With comprehensive case studies, checklists, worksheets, and cross listings to the appropriate project management body of knowledge, Project Recovery offers a much needed lifeline for managers facing the specter of failure.
management purposes. This report addresses the current situation and the causes of the problems by covering systems, operations and other important factors. It gives recommendations for improvement for these areas as well as for people, technological and organisational issues. It is shown that even a multinational company such as Airbus suffers from stultifying problems, using different systems at their plants or internal rivalries amongst top managers. Complex operations and dispersed plants further hampered the project. Finally it is recommended for Airbus, to integrate operations and systems in a better way, to introduce new systems to all plants and to ease organisational structures.

**Airbus A380. Problems and Recommendations** - Anonym - 2013-06
Seminar paper from the year 2011 in the subject Business economics - Business Management, Corporate Governance, grade: 1,2, Anglia Ruskin University, course: Systems and Operations Management, language: English, abstract: The production of the A380 aircraft ran two years behind schedule, causing financial losses, bad reputation and disappointment. To make decisions for future improvements and strategies, the situation has been analysed for management purposes. This report addresses the current situation and the causes of the problems by covering systems, operations and other important factors. It gives recommendations for improvement for these areas as well as for people, technological and organisational issues. It is shown that even a multinational company such as Airbus suffers from stultifying problems, using different systems at their plants or internal rivalries amongst top managers. Complex operations and dispersed plants further hampered the project. Finally it is recommended for Airbus, to integrate operations and systems in a better way, to introduce new systems to all plants and to ease organisational structures.

**Reliability Based Aircraft Maintenance Optimization and Applications** - He Ren - 2017-03-19
Reliability Based Aircraft Maintenance Optimization and Applications presents flexible and cost-effective maintenance schedules for aircraft structures, particular in composite airframes. By applying an intelligent rating system, and the back-propagation network (BPN) method and FTA technique, a new approach was created to assist users in determining inspection
methods and technologies of maintenance composite structures. This book also discusses the influence of Structure Health Monitoring (SHM) on scheduled maintenance. An integrated logic diagram establishes how to incorporate SHM into the current MSG-3 structural analysis that is based on four maintenance scenarios with gradual increasing maturity levels of SHM. The inspection intervals and the repair thresholds are adjusted according to different combinations of SHM tasks and scheduled maintenance. This book provides a practical means for aircraft manufacturers and operators to consider the feasibility of SHM by examining labor work reduction, structural reliability variation, and maintenance cost savings. Presents the first resource available on airframe maintenance optimization. Includes the most advanced methods and technologies of maintenance engineering analysis, including first application of composite structure maintenance engineering analysis integrated with SHM. Provides the latest research results of composite structure maintenance and health monitoring systems.

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**Aviation Project Management** - Triant G. Flouris - 2016-04-15
Combining the considerable respective expertise of Triant Flouris and Dennis Lock, this unique book highlights the ways that successful businesses are managed in the aviation industry through the identification and application of proven project management methods. Theoretical concepts are defined, clarified and shown how they can be valuable to business managers and students of the aviation business sector. Aviation Project Management builds on the successful and popular work of Dennis Lock but is considerably enhanced by applications, examples, illustrations and case examples pertaining to projects exclusively from the aviation industry. Theory in the project management field is already well evolved, so the purpose of this book is not to review that theory but rather to demonstrate how the lessons of theory can be of practical use to aviation students and business managers. It provides a practical guide to those interested in how projects are managed and the common mistakes that aviation project managers should avoid.

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Managing Aviation Projects from Concept to Completion - Triant G. Flouris - 2016-02-22
Triant Flouris is a prominent academic and administrator in aviation management education; Dennis Lock has more than forty years experience in practising, lecturing and writing about project management. When these two experts combined their considerable talents to write their earlier book Aviation Project Management, it was little wonder that distinguished reviewers gave generous praise and acclaimed it as a welcome addition to what, until then, had been a neglected field. That first title was structured as an essential primer for managers and students. The authors have now written this more in-depth book for managers and students who need to study aviation project management in much greater detail, as well as critically connect project management within an aviation context to prudent business decision-making. Aviation project management is described in considerable detail throughout all stages of a lifecycle that begins when the project is only a vague concept and does not end until the project has been successfully completed, fully documented, and put into operational service. Aviation projects have commonly failed to deliver their expected outcomes on time and have greatly exceeded their intended budgets. Many of those failures would have been prevented if the project managers had adhered to the sound principles of project management, as described and demonstrated throughout this book.

Aviation Systems - Andreas Wittmer -

Airbus A380 - Guy Norris - 2005-11-10
Poised for takeoff on that hot morning in April 2005, the Airbus A380 had the purposeful, powerful presence of a giant predatory bird. With its enormous gulled wings, imperiously tall tail, and broad, domed forepeak, it looked ready to take on the world. And along the way, it has had plenty of supporters—and critics. No civil airliner since the supersonic Concorde has aroused such emotion, such fascination, and such cause célèbre. To a confident Airbus and the thousands of awestruck workers who cheered it into that cloudless sky over Toulouse, it means so much more. The European company has been transformed under the broad wings of this incredible project into a single corporate entity—from a loose consortium into a new, more dynamic force to challenge its worthy adversary Boeing in every market sector.

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Rethinking Reputational Risk - Anthony
Fitzsimmons - 2017-01-03
A company's reputation is one of its most
valuable assets, and reputational risk is high on
the agenda at board level and amongst
regulators. Rethinking Reputational Risk explains
the hidden factors which can both cause crises
and tip an otherwise survivable crisis into a
reputational disaster. It uses case studies such as
BP's Deepwater Horizon oil spill, Volkswagen's
emissions rigging scandal, Tesco, AIG, EADS
Airbus A380, and Mid-Staffordshire NHS
Hospital Trust. Reputations are lost when the
perception of an organization is damaged by its
behaviour not meeting stakeholder expectations.
Rethinking Reputational Risk lays bare the
actions, inactions and local 'states of normality'
that can lead to perception-changing
consequences and gives readers the insight to
recognize and respond to the risks to their
reputations. Through case studies and analysis of
failures, this hard-hitting guide also applies
lessons drawn from behavioural economics to the
behavioural risks that underlie reputation risk.
An essential read for risk professionals, business
leaders and board members who need to
understand and deal with business-critical
threats to their reputation, this book presents a
new framework that will be invaluable for all
involved in safeguarding an organization's
reputation.

The Airbus A380 - Graham M. Simons -
2014-08-13
Every 7 minutes, an A380 takes off or lands
somewhere in the world. The Airbus was initially
designed and developed in order to provide a
contender to the Boeing's growing monopoly of
the skies in the biggest large-aircraft market in
the world. Ambitious in design, the undertaking
seemed mammoth. Yet scores of aviation
engineers and pilots worked to get the design off
the ground and the Airbus in our skies. This
double-decker, wide-body, 4 engine jet airliner
promised to redefine expectations when it came
to commercial flight. Five years on from its
launch, Graham Simons provides us with this, an
impressively illustrated narrative history of the
craft, its achievements, and the legacy it looks
set to provide to a new generation of aviation
engineers, enthusiasts and passengers. Operated
by airlines such as Emirates, Singapore Airlines,
Quantas and Lufthansa, the story of the A380
could be said to represent the story of modern-
day travel itself, characterised by major
technological advances across the world that
constantly push the boundaries of expectation.
Sure to appeal broadly across the market, this is
very much a commemorative volume, preserving
the history of this iconic craft in words and
images.

Rethinking Reputational Risk - Anthony
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or degraded. In other hands, the plane might double-decker, wide-body, 4 engine jet airliner promised to redefine expectations when it came to commercial flight. Five years on from its launch, Graham Simons provides us with this, an impressively illustrated narrative history of the craft, its achievements, and the legacy it looks set to provide to a new generation of aviation engineers, enthusiasts and passengers. Operated by airlines such as Emirates, Singapore Airlines, Quantas and Lufthansa, the story of the A380 could be said to represent the story of modern-day travel itself, characterised by major technological advances across the world that constantly push the boundaries of expectation. Sure to appeal broadly across the market, this is very much a commemorative volume, preserving the history of this iconic craft in words and images.

Leading in Turbulent Times - Peter Lorange - 2010-12-16
As a business academic leading some of the world’s key business schools, head of a shipping company and board member for several multinational companies, Peter draws on his own experiences and those of other CEOs interviewed to identify the type of organization leaders must create in order to meet the challenges they face in these turbulent times.

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QF32 - Richard de Crespigny - 2012-08-01
QF32 is the award winning bestseller from Richard de Crespigny, author of the forthcoming Fly!: Life Lessons from the Cockpit of QF32. On 4 November 2010, a flight from Singapore to Sydney came within a knife edge of being one of the world’s worst air disasters. Shortly after leaving Changi Airport, an explosion shattered Engine 2 of Qantas flight QF32 - an Airbus A380, the largest and most advanced passenger plane ever built. Hundreds of pieces of shrapnel ripped through the wing and fuselage, creating chaos as vital flight systems and back-ups were destroyed or degraded. In other hands, the plane might have been lost with all 469 people on board, but a supremely experienced flight crew, led by Captain Richard de Crespigny, managed to land the crippled aircraft and safely disembark the passengers after hours of nerve-racking effort. Tracing Richard’s life and career up until that fateful flight, QF32 shows exactly what goes into the making of a top-level airline pilot, and the extraordinary skills and training needed to keep us safe in the air. Fascinating in its detail and vividly compelling in its narrative, QF32 is the riveting, blow-by-blow story of just what happens when things go badly wrong in the air, told by the captain himself. Winner of ABIA Awards for Best General Non-fiction Book of the Year 2013 and Indie Awards' Best Non-fiction 2012 Shortlisted ABIA Awards' Book of the Year 2013

The European Union - Bianca C. Hostetler - 2006
The primary focus of the chapters presented in this book is the European Union. The EU is a
Innovation studies and partnering/collaborative alliances are rapidly growing areas of interest. Originally combining the two areas, this book examines the role of business partnering as a pathway to innovation for small and medium enterprises – SMEs. This text outlines global and regional trends, focusing in particular on the role of Poland and Eastern Europe as an emerging region for new innovative ideas, how innovation is promoted in the United States, and how it is facilitated in Japan. It assesses the reasons why American SMEs are significantly ahead of their European counterparts in the fields of research and development investment and innovation, and demonstrates how business partnering can assist in increasing research and development investment, profit, finding new suppliers and aiding growth. In addition, the book shows how business partners can cut the costs of doing research for innovation and analyzes the threat that poorly constructed and over-burdensome regulation and bureaucracy pose to innovation. This book is a timely contribution to the literature on both innovation and business partnering in Japan, Europe and the United States.

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The primary focus of the chapters presented in this book is the European Union. The EU is a treaty-based, institutional framework that defines and manages economic and political co-operation among its 25 member states (Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, and the United Kingdom). The Union represents the latest stage in a process of European integration begun after World War II to promote peace and economic prosperity in Europe. This European integration project has evolved from encompassing primarily economic sectors to include developing a common foreign policy and closer police and judicial co-operation. With the end of the Cold War, the Union has also sought to extend the political and economic benefits of membership, especially to central and eastern Europe. This book examines the Union's expectations of the future, and the relationships that it has with countries in other parts of the world.

Innovation and Business Partnering in Japan, Europe and the United States - Ruth Taplin - 2006-10-19
Innovation studies and partnering/collaborative alliances are rapidly growing areas of interest. Originally combining the two areas, this book examines the role of business partnering as a pathway to innovation for small and medium enterprises – SMEs. This text outlines global and regional trends, focusing in particular on the role of Poland and Eastern Europe as an emerging region for new innovative ideas, how innovation is promoted in the United States, and how it is facilitated in Japan. It assesses the reasons why American SMEs are significantly ahead of their European counterparts in the fields of research and development investment and innovation, and demonstrates how business partnering can assist in increasing research and development investment, profit, finding new suppliers and aiding growth. In addition, the book shows how business partners can cut the costs of doing research for innovation and analyzes the threat that poorly constructed and over-burdensome regulation and bureaucracy pose to innovation. This book is a timely contribution to the literature on both innovation and business partnering in Japan, Europe and the United States.
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**The Times Index** - - 2006
Indexes the Times, Sunday times and magazine, Times literary supplement, Times educational supplement, and the Times higher education supplement.

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**Popular Science** - - 2003-11
Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

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**Perspective On Holistic Engineering Management, A: Learning, Adapting And Creating Value** - Robert J Aslett - 2021-02-02
Today, a prosperous technology company can be disrupted and put out of business in a blink of an eye. The development of many different technologies that once took years can be done in months or weeks. There are also few examples where the engineering work is completely contained in one company or one engineering organization. Business strategies have evolved. The analysis of competitive forces in an industry has matured to include the concepts of disruptive innovation and coopetition. In an ecosystem characterized by rapid changes in technology and how it is developed, an engineering R&D organization will quickly become irrelevant if it fails to keep the pace of innovation needed to succeed. This book provides readers with a holistic approach to engineering management. We have seen that successful managers create a strong foundation of a creation, diversity and inclusion. They create organizations that tightly connect the core engineering functions of strategic planning, research and development and are able to comprehend and direct a broader R&D system that stretches well beyond their own organization's boundary. Doing all of this to extract the greatest value in the least amount of time is what we call holistic engineering management. The content for this book is based on over 105 years of combined experience working in a rapidly changing industry. In most chapters, practical examples and case studies of the concepts provided are given. As noted in the foreword by Pat Gelsinger (CEO, VMWare) and in comments from other technology leaders: Aart de Geus (Chairman and co-CEO, Synopsys, Inc.), Aicha Evans (CEO, Zoox, Inc.), William M Holt, (former Executive VP, GM, Intel, Corp.), and Amir Faintuch (Senior VP, GM, GlobalFoundries, Inc.), this book will be valuable for students of engineering management and current engineering managers.
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The Standard for Portfolio Management - Project Management Institute - 2008
Presents an introduction to the processes of portfolio management, discussing how to identify business goals, develop strategy, evaluate environmental and risk factors and successfully complete project objectives. Original.

In the post-Cold War era, most countries have been forced to radically reduce their arms industries, and abandoned self-sufficiency in favour of a subordinate role in an increasingly globalized worldwide defence industry. This has significant implications for the future of armaments production, for proliferation, and for arms control.

The Business of Systems Integration - Andrea Prencipe - 2005-04-14
Over the past decade or so, systems integration has become a key factor in the operations, strategy and competitive advantage of major corporations in a wide variety of sectors (e.g. computing, automotive, telecommunications, military systems and aerospace). Systems
integration is a strategic task that pervades business management not only at the technical level but also at the management and strategic levels. This book shows how and why this new kind of systems integration has evolved into an emerging model of industrial organization whereby firms, and groups of firms, join together different types of knowledge, skill and activity, as well as hardware, software, and human resources to produce new products for the marketplace. This book is the first to systematically explore systems integration from a business and innovation perspective. Contributors delve deeply into the nature, dimensions and dynamics of the new systems integration, deploying research and analytical techniques from a wide variety of disciplines including, the theory of the firm, the history of technology, industrial organization, regional studies, strategic management, and innovation studies. This wealth of research capability provides deep insights into the new model of systems integration and supports this with an abundance of empirical evidence. The book is organized in three main parts. The first part focuses on the history of systems integration. Contributors trace the early history of systems integration using different industrial examples. The second part presents theoretical and analytical aspects of systems integration. Contributions concentrate on the regulatory and cognitive features of systems integration, the relationships between systems integration and regional competitive advantage, and the way in which systems integration supports the competitive advantage of firms. The third part takes industry and firm-level approaches. Contributions focus on different sectors and highlight the specificity of systems integration in various industrial domains, stressing its importance for systems integration in the case of complex capital goods, such as aircraft and telecommunications equipment, as well as consumer goods, such as personal computers and automobiles.

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Hypersonic Missiles—specifically hypersonic glide vehicles and hypersonic cruise missiles—are a new class of threat because they are capable both of maneuvering and of flying faster than 5,000 kilometers per hour. These features enable such missiles to penetrate most missile defenses and to further compress the timelines for a response by a nation under attack. Missiles are being developed by the United States, Russia, and China. Their proliferation beyond these three could result in other powers setting their strategic forces on hair-trigger states of readiness. And such proliferation could enable other powers to more credibly threaten attacks on major powers. Diffusion of hypersonic technology is under way in Europe, Japan, Australia, and India—with other nations beginning to explore such technology. Proliferation could cross multiple borders if hypersonic technology is offered on world markets. Probably less than a decade available to substantially hinder the potential proliferation of hypersonic missiles and associated technologies. To this end, the report recommends that (1) the United States, Russia, and China should agree not to export complete hypersonic missile systems or their major components and (2) the broader international community should establish controls on a wider range of hypersonic missile hardware and technology.“—Publisher’s description.

The New Airline Code - Matt Andersson - 2005

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PRINCE2 Agile (Dutch Edition) - AXELOS - The PRINCE2 Agile guide supports a new qualification which is being offered as an extension for those who already hold a PRINCE2 Practitioner qualification. PRINCE2 Agile is the most up-to-date and relevant view of agile project management methodologies and the only framework covering a wide range of agile concepts, including SCRUM, Kanban and Lean Startup

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The Power of Deduction - Michael A. Anleitner - 2010

If you really want to improve product designs, you must do more than conceive and develop ideas using intuitive and inductive thinking. While innovation and creativity which are driven by insight and inductive generalizations are critically important in today’s competitive world, inspired ideas that are not executed with exquisite attention to detail are, more often than not, doomed to the scrap heap of history. That’s where a design failure modes and effects analysis (DFMEA) comes in. But like anything, it has to be done well. Even with a clever or exciting design, a poorly developed DFMEA means that there will likely be serious problems with the design, either during the development cycle or after customers begin to use the product, or both. This book is aimed at engineers, managers, and other professionals who are active participants in
project management techniques to manage and commercial projects, including design engineers, designers, product engineers, program managers, quality managers and engineers, manufacturing engineers, and business unit managers. How can you turn DFMEA into the powerful tool that it can become? How should DFMEA be approached? This book answers these questions. It introduces DFMEA, outlines some common mistakes made when doing it, and goes deep into a straightforward but comprehensive 7-step process that will ensure your designs and products are world-class.

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Commercial Aircraft Projects - Hans-Henrich Altfeld - 2016-09-19
When it comes to very highly complex, commercially funded product-development projects it is not sufficient to apply standard project management techniques to manage and keep them under control. Instead, they need a project management approach which is perfectly adapted to their complex nature. This, however, may generate additional cost and a dilemma arises because in commercially-driven product developments there is the natural tendency to limit the management-related costs. The development of a new commercial aircraft is no exception. In fact, it can be regarded as an extreme example of this kind of project. This is why it is especially useful to analyse the project management capabilities and practices needed to manage them. Cost reductions can still be achieved by concentrating on the essential elements of some project management disciplines, to maintain their principal strengths, and combining them in a pragmatic way on the basis of an integrated architecture. This book goes beyond descriptions of management disciplines found elsewhere in its treatment of the architecture integration necessary to interlink product, process and resources data. Only with this connectedness can the interoperability of the management essentials yield maximum efficiency and effectiveness. Commercial Aircraft Projects: Managing the Development of Highly Complex Products proposes an integrated architecture and details, step-by-step, how it can be used for the management of commercial aircraft development projects. The findings can also be applied to other industrial sectors that produce complex hardware based on design inputs.

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Boeing Versus Airbus - John Newhouse - 2008
The author of The Sporty Game journeys behind the scenes to examine the high-stakes rivalry between the world's two largest aircraft manufacturers--Boeing and Airbus--drawing on interviews with industry insiders to reveal how Boeing lost its edge in the marketplace and what it is doing to reclaim its status. Reprint. 20,000 first printing.

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The Challenger Launch Decision - Diane Vaughan - 2016-01-04
When the Space Shuttle Challenger exploded on January 28, 1986, millions of Americans became bound together in a single, historic moment. Many still vividly remember exactly where they were and what they were doing when they heard about the tragedy. Diane Vaughan recreates the steps leading up to that fateful decision, contradicting conventional interpretations to prove that what occurred at NASA was not skullduggery or misconduct but a disastrous mistake. Why did NASA managers, who not only had all the information prior to the launch but also were warned against it, decide to proceed? In retelling how the decision unfolded through the eyes of the managers and the engineers, Vaughan uncovers an incremental descent into poor judgment, supported by a culture of high-risk technology. She reveals how and why NASA insiders, when repeatedly faced with evidence that something was wrong, normalized the deviance so that it became acceptable to them. In a new preface, Vaughan reveals the ramifications for this book and for her when a similar decision-making process brought down NASA's Space Shuttle Columbia in 2003.

Project Management - Harold Kerzner - 2013-01-22
A new edition of the most popular book of project management case studies, expanded to include more than 100 cases plus a "super case" on the Iridium Project Case studies are an important part of project management education and training. This Fourth Edition of Harold Kerzner's Project Management Case Studies features a number of new cases covering value measurement in project management. Also included is the well-received "super case," which covers all aspects of project management and
new Eleventh Edition of Harold Kerzner's edition: Contains 100-plus case studies drawn from real companies to illustrate both successful and poor implementation of project management. Represents a wide range of industries, including medical and pharmaceutical, aerospace, manufacturing, automotive, finance, and banking, and telecommunications. Covers cutting-edge areas of construction and international project management plus a "super case" on the Iridium Project, covering all aspects of project management. Follows and supports preparation for the Project Management Professional (PMP®) Certification Exam. Project Management Case Studies, Fourth Edition is a valuable resource for students, as well as practicing engineers and managers, and can be used on its own or with the new Eleventh Edition of Harold Kerzner's landmark reference, Project Management: A Systems Approach to Planning, Scheduling, and Controlling. (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)

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**Airbus A380** - Guy Norris - 2005
A revealing, behind-the-scenes look at the development of the biggest commercial aircraft ever built. With 200 colour photos, this book takes readers through the drama of the A380 project, introducing all the key players and unravelling the controversies surrounding its development.

**Air Wars** - Scott Hamilton - 2021-09-07

Research Paper (undergraduate) from the year 2011 in the subject Business economics - Business Management, Corporate Governance, grade: 1,0, Copenhagen Business School (Institute of Finance), course: Strategic Risk Management, language: English, abstract: The paper will outline major flaws in Airbus’s risk management and thereby identify reasons for the production delay of the Airbus 380. The Airbus A-380 project was launched in 2000 and remains the largest project in the company’s history. The Airplane was designed to carry up to 853 passengers and offer 50 per cent more floor surface than any other passenger aircraft. The total cost of development summed up to € 12 billion and it was planned to deliver the first aircraft to Singapore Airlines in 2005. In reality the first aircraft was delivered in 2007. The 2 years delay of the delivery of the first Airbus 380 eventually added up to an estimated sum of €4.8 billion loss in profit. The reason for this delay was that the pre-assembled wirings produced in Germany failed to fit into the frame when the
engineering around the world and is intended to be attributed to the fact that the German plant used CATIA 4 (CATIA is a computer-aided design software) which was only able to show the plane as a two dimensional model while France used CATIA 5 which displayed the plane in three dimensions.

Strategic Risk Management - A new Framework based on the Airbus A-380 crisis
- Jens Hermann Paulsen - 2012-11-20
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Engineering - Unesco - 2010
This report reviews engineering's importance to human, economic, social and cultural development and in addressing the UN Millennium Development Goals. Engineering tends to be viewed as a national issue, but engineering knowledge, companies, conferences and journals, all demonstrate that it is as international as science. The report reviews the role of engineering in development, and covers issues including poverty reduction, sustainable development, climate change mitigation and adaptation. It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering, promote better understanding of engineering and its role, and highlight ways of making engineering more attractive to young people, especially women.—Publisher's description.

Written with students of aerospace or aeronautical engineering firmly in mind, this is a practical and wide-ranging book that draws together the various theoretical elements of aircraft design - structures, aerodynamics, propulsion, control and others - and guides the reader in applying them in practice. Based on a range of detailed real-life aircraft design projects, including military training, commercial and concept aircraft, the experienced UK and US based authors present engineering students with an essential toolkit and reference to support their own project work. All aircraft projects are unique and it is impossible to provide a template for the work involved in the design process. However, with the knowledge of the steps in the initial design process and of previous experience from similar projects, students will be freer to concentrate on the innovative and analytical aspects of their course project. The authors bring a unique combination of perspectives and experience to this text. It reflects both British and American academic practices in teaching aircraft design. Lloyd Jenkinson has taught
regulation, economics, management and Southampton universities in the UK and Jim Marchman has taught both aircraft and spacecraft design at Virginia Tech in the US. * Demonstrates how basic aircraft design processes can be successfully applied in reality * Case studies allow both student and instructor to examine particular design challenges * Covers commercial and successful student design projects, and includes over 200 high quality illustrations

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**Aviation Systems** - Andreas Wittmer - 2011-08-17
This book aims to provide comprehensive coverage of the field of air transportation, giving attention to all major aspects, such as aviation regulation, economics, management and strategy. The book approaches aviation as an interrelated economic system and in so doing presents the “big picture” of aviation in the market economy. It explains the linkages between domains such as politics, society, technology, economy, ecology, regulation and how these influence each other. Examples of airports and airlines, and case studies in each chapter support the application-oriented approach. Students and researchers in business administration with a focus on the aviation industry, as well as professionals in the industry looking to refresh or broaden their knowledge of the field will benefit from this book.

**Handbook of Organizational Routines** - Markus C. Becker - 2008
The idea of routines has been one of the most productive in organization studies. Finally we have a broad, deep, and authoritative survey of the exciting research it has inspired. Paul S. Adler, University of Southern California, US This cutting-edge, multidisciplinary Handbook comprises specially commissioned contributions surveying state-of-the-art research on the concept of organizational routines. An authoritative overview of the concept of organizational routines and its contributions to our understanding of organizations is presented. To identify those contributions, the role of organizational routines in such processes as organizational learning, performance feedback, and organizational memory is discussed. To
discuss methods for carrying out empirical different disciplinary fields, the expert authors review applications across a range of fields including political science, sociology, and accounting. Two chapters on research methods provide expert advice on the endeavour of experimental studies and empirical field studies of organizational routines. Overall, this Handbook contains articles that identify the role of organizational routines in processes underlying the stability and change of organizations, show how the concept has been applied in different disciplinary fields, and discuss methods for carrying out empirical research using the organizational routines concept. Because of the importance issues such as the stability and change of organizations have in organization theory and strategy, this Handbook will appeal to scholars and students in business and management, in particular in organization theory, organization behaviour, and strategic management.

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**The Global Airline Industry** - Peter Belobaba - 2015-07-06

Extensively revised and updated edition of the bestselling textbook, provides an overview of recent global airline industry evolution and future challenges Examines the perspectives of the many stakeholders in the global airline industry, including airlines, airports, air traffic services, governments, labor unions, in addition to passengers Describes how these different players have contributed to the evolution of competition in the global airline industry, and the implications for its future evolution Includes many facets of the airline industry not covered elsewhere in any single book, for example, safety and security, labor relations and environmental impacts of aviation Highlights recent developments such as changing airline business models, growth of emerging airlines, plans for modernizing air traffic management, and opportunities offered by new information technologies for ticket distribution Provides detailed data on airline performance and economics updated through 2013

**Verti-flite** - 2004

Extensively revised and updated edition of the bestselling textbook, provides an overview of recent global airline industry evolution and future challenges Examines the perspectives of the many stakeholders in the global airline industry, including airlines, airports, air traffic services, governments, labor unions, in addition to passengers Describes how these different players have contributed to the evolution of competition in the global airline industry, and the implications for its future evolution Includes many facets of the airline industry not covered elsewhere in any single book, for example, safety and security, labor relations and environmental impacts of aviation Highlights recent developments such as changing airline business models, growth of emerging airlines, plans for modernizing air traffic management, and opportunities offered by new information technologies for ticket distribution Provides detailed data on airline performance and economics updated through 2013
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**Organization at the Limit** - William Starbuck - 2009-02-09
The book offers important insight relevant to Corporate, Government and Global organizations management in general. The internationally recognised authors tackle vital issues in decision making, how organizational risk is managed, how can technological and organizational complexities interact, what are the impediments for effective learning and how large, medium, and small organizations can, and in fact must, increase their resilience. Managers, organizational consultants, expert professionals, and trainingspecialists; particularly those in high risk organizations, may find the issues covered in the book relevant to their daily work and a potential catalyst for thought and action. A timely analysis of the Columbia disaster and the organizational lessons that can be learned from it. Includes contributions from those involved in the Investigation Board report into the incident. Tackles vital issues such as the role of time pressures and goal conflict in decision making, and the impediments for effective learning. Examines how organizational risk is managed and how technological and organizational complexities interact. Assesses how large, medium, and small organizations can, and in fact must, increase their resilience. Questions our eagerness to embrace new technologies, yet reluctance to accept the risks of innovation.

Offers a step by step understanding of the complex factors that led to disaster.