

Gis Integration To Maximo

This 500 page book covers how to set up MAXIMO for maintenance and Business Performance Management enterprise wide, how to administrate it, and most importantly, how to use it to focus your organization on your core purpose! The book discusses how to avoid common pitfalls in the application of MAXIMO to common Maintenance and Reliability topics and how to obtain the final goal of a MAXIMO Implementation - Informed Employee's. The book begins with a strong focus on the topics of Key Performance Indicators, Business Performance Monitors and Balanced Score Cards. There are maintenance and reliability examples throughout the book to support how to develop a blueprint for your process, and what to focus on. The book covers using a blueprint tool for the development of a balanced scorecard for use across your organization or at least your current "span of control", and will introduce the concept of a "Data Integrity Strategy Map". The latter chapters focus in great detail on getting data out of MAXIMO using little known standard reports, combined with some custom reporting, and add on integration tools. These add to the ability to provide actionable intelligence at all levels of the organization and supports an empowered workforce.

These proceedings include a collection of papers on a range of topics presented at the 12th World Congress on Engineering Asset Management (WCEAM) in Brisbane, 2 – 4 August 2017. Effective strategies are required for managing complex engineering assets such as built environments, infrastructure, plants, equipment, hardware systems and components. Following the release of the ISO 5500x set of standards in 2014, the 12th WCEAM addressed important issues covering all aspects of engineering asset management across various sectors including

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health. The topics discussed by the congress delegates are grouped into a number of tracks, including strategies for investment and divestment of assets, operations and maintenance of assets, assessment of assets' health conditions, risk and vulnerability, technologies, and systems for management of assets, standards, education, training and certification. This year's report presents evidence that the absolute number of people who suffer from hunger continues to slowly increase. The report also highlights that food insecurity is more than just hunger. For the first time, the report provides evidence that many people in the world, even if not hungry, experience moderate food insecurity as they face uncertainties about their ability to obtain food and are forced to compromise on the quality and/or quantity of the food they consume. This phenomenon is observed globally, not only in low- and middle-income countries but also in high income countries. The report also shows that the world is not on track to meet global nutrition targets, including those on low birthweight and on reducing stunting among children under five years. Moreover, overweight and obesity continue to increase in all regions, particularly among school-age children and adults. The report stresses that no region is exempt from the epidemic of overweight and obesity, underscoring the necessity of multifaceted, multisectoral approaches to halt and reverse these worrying trends. In light of the fragile state of the world economy, the report presents new evidence confirming that hunger has been on the rise for many countries where the economy has slowed down or contracted. Unpacking the links between economic slowdowns and downturns and food insecurity and malnutrition, the report contends that the effects of the former on the latter can only be offset by addressing the root causes of hunger and malnutrition: poverty, inequality and marginalization.

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Now available in paperback— Pro Oracle Spatial for Oracle Database 11g shows how to take advantage of Oracle Databases built-in feature set for working with location-based data. A great deal of the information used in business today is associated with location in some way, and analysis of that data is becoming ever more important in today's mobile and highly connected world. In Pro Oracle Spatial for Oracle Database 11g, authors Ravi Kothuri and Albert Godfrind address: The special nature of spatial data and its role in professional and consumer applications Issues in spatial data management such as modeling, storing, accessing, and analyzing spatial data The Oracle Spatial solution and the integration of spatial data into enterprise databases How spatial information is used to understand business and support decisions, to manage customer relations, and to better serve private and corporate users When you read Pro Oracle Spatial for Oracle Database 11g, you're learning from the very best. Ravi Kothuri is a key member of Oracle's Spatial development team. Albert Godfrind consults widely with Oracle clients on the implementation of Oracle Spatial, develops training courses, and presents frequently at conferences. Together they have crafted a technically sound and authoritative fountain of information on working with spatial data in the Oracle database.

This book is the essential guide to the pedagogical and industry-inspired considerations that must shape how BIM is taught and learned. It will help academics and professional educators to develop programmes that meet the competences required by professional bodies and prepare both graduates and existing practitioners to advance the industry towards higher efficiency and quality. To date, systematic efforts to integrate pedagogical considerations into the way BIM is learned and taught remain non-existent. This book lays the foundation for

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forming a benchmark around which such an effort is made. It offers principles, best practices, and expected outcomes necessary to BIM curriculum and teaching development for construction-related programs across universities and professional training programmes. The aim of the book is to: Highlight BIM skill requirements, threshold concepts, and dimensions for practice; Showcase and introduce tried-and-tested practices and lessons learned in developing BIM-related curricula from leading educators; Recognise and introduce the baseline requirements for BIM education from a pedagogical perspective; Explore the challenges, as well as remedial solutions, pertaining to BIM education at tertiary education; Form a comprehensive point of reference, covering the essential concepts of BIM, for students; Promote and integrate pedagogical consideration into BIM education. This book is essential reading for anyone involved in BIM education, digital construction, architecture, and engineering, and for professionals looking for guidance on what the industry expects when it comes to BIM competency.

This guidebook addresses asset and infrastructure management applicable to all areas of the operation of an airport. The primer portion of the report includes an overview of an asset and infrastructure management program and explores the benefits and costs of implementation. The guidebook portion of the report provides examples from various airports and is designed to be a reference for integrating proven asset and infrastructure management practices and techniques at airports of all sizes. The report defines an asset and infrastructure management program and its components and how a program relates to daily operations and longer-term planning. In addition, the project that developed ACRP Report 69 also produced a PowerPoint presentation, which can be used to present the benefits of a program to stakeholders--

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Maintenance, Safety, Risk, Management and Life-Cycle Performance of Bridges contains lectures and papers presented at the Ninth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2018), held in Melbourne, Australia, 9-13 July 2018. This volume consists of a book of extended abstracts and a USB card containing the full papers of 393 contributions presented at IABMAS 2018, including the T.Y. Lin Lecture, 10 Keynote Lectures, and 382 technical papers from 40 countries. The contributions presented at IABMAS 2018 deal with the state of the art as well as emerging concepts and innovative applications related to the main aspects of bridge maintenance, safety, risk, management and life-cycle performance. Major topics include: new design methods, bridge codes, heavy vehicle and load models, bridge management systems, prediction of future traffic models, service life prediction, residual service life, sustainability and life-cycle assessments, maintenance strategies, bridge diagnostics, health monitoring, non-destructive testing, field testing, safety and serviceability, assessment and evaluation, damage identification, deterioration modelling, repair and retrofitting strategies, bridge reliability, fatigue and corrosion, extreme loads, advanced experimental simulations, and advanced computer simulations, among others. This volume provides both an up-to-date overview of the field of bridge engineering and significant contributions to the process of more rational decision-making on bridge maintenance, safety, risk, management and life-cycle performance of bridges for the purpose of enhancing the welfare of society. The Editors hope that these Proceedings will serve as a valuable reference to all concerned with bridge structure and infrastructure systems, including students, researchers and engineers from all areas of bridge engineering.

IBM Maximo Asset Management. The Consultant's Guide: Second Edition Robert

Zientara

Building Information Modelling (BIM) is a global phenomenon which is gaining significant momentum across the world. Currently there is little information on how to realise and monitor benefits from implementing BIM across the life-cycle of a built environment asset. This book provides a practical and strategic framework to realise value from implementing BIM by adapting Benefit Realisation Management theory. It presents an approach for practitioners aiming to implement BIM across the life-cycle of built environment assets, including both buildings and infrastructure. Additionally, the book features: wide-ranging information about BIM, the challenges of monitoring progress towards benefit goals and the greater context of implementation; a set of dictionaries that illustrate: how benefits can be achieved, what the benefit flows are and the enabling tools and processes that contribute to achieving and maximising them; a suite of measures that can serve to monitor progress with examples of how they have been used to measure benefits from BIM; real-world examples from across the world and life-cycle phases that show how these benefits can be achieved; and information on international maturity and competency measures to complement the value realisation framework. Including a blend of academic and industry input, this book has been developed in close collaborative consultation

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with industry, government and international research organisations and could be used for industry courses on BIM benefits and implementation for asset management or by universities that teach BIM-related courses.

From a military commander's perspective, the role of psychological operations (PSYOP) in the successful planning and execution of modern military operations is absolutely essential. It is an integral part of the United States Special Operations Command mission. Today, the military faces a dynamic and unpredictable world. PSYOP will remain a valuable instrument in the overall defense posture and will be a key asset in the fulfillment of U.S. national policy. This manuscript explores the breadth and depth of fundamental PSYOP roles, principles and methods. Each article is an independent effort and together they represent a cross section of what the best and brightest feel is key to both offensive and defensive psychological operations. Air University Press.

"The 50 years since the publication of 'Fabric of Geology,' edited by C.C. Albritton Jr., have seen immense changes in both geology and philosophy of science. 'Rethinking the Fabric of Geology' explores a number of philosophical issues in geology, ranging from its nature as a historical science to implications for geological education"--Provided by publisher.

Water and wastewater infrastructure are a somewhat invisible, yet critical, part of

modern life. Incredibly, many buried assets have been in service for 50-100 years and are still in good condition. Conversely, other systems fail well before their predicted design lives, causing property damage, injury, and even loss of life. In many cases, early detection could have prevented catastrophic failure, and understanding the state of underground infrastructure has become a key priority for many municipalities. Industry has responded with a number of new and innovative technologies for condition assessment, however, understanding these tools can be difficult, as many vendors treat their proprietary systems as trade secrets. **Water and Wastewater Pipeline Assessment Technologies:**

Classification Systems, Sensors, and Results Interpretation provides a thorough guide to the technical workings of some of the most popular water and wastewater assessment technologies available, including CCTV crawlers, acoustic listening devices, laser sensors, 360 ° video cameras, pipe penetrating radar, and more. **Features:** Presents an overview of current technologies in CCTV inspection, including next generation video formats, high-definition resolution, and fisheye/sidescan technology. Provides helpful tips and tricks to cut through technical jargon and identify the technological specifications to compare between multiple vendors. Examines the pros and cons of competing technologies including laser and lidar, and provides an overview of unique

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approaches such as Pipe Penetrating Radar, Focused Electrode Leak Location, and more. Highlights the importance of coding standards, data management, and software tools that can be leveraged to create a successful asset management program.

Water and Wastewater Pipeline Assessment Technologies:

Classification Systems, Sensors, and Results Interpretation provides a mixture of theory and real-world, practical considerations ranging from deployment tips and data exchange formats to the technical limitations of different technologies. The book is a valuable resource for municipal employees, project engineers, and others involved in designing and implementing major inspection programs.

Considering maintenance from a proactive, rather than reactive, perspective, Maintenance Excellence details the strategies, tools, and solutions for maximizing the productivity of physical assets—focusing on profitability potential.

The editors address contemporary concerns, key terms, data requirements, critical methodologies, and essential mathematical needs. They present maintenance in a business context, review planning, measurement, feedback, and techniques related to cost, efficiency, and results, and summarize applications of tools and software from statistics and neural networks to cost-optimized models.

This book asks how modern universities are organized and managed, and

questions whether 30 years of university reforms have resulted in stronger managerial structures and leadership control. It further asks whether current organisational and decision-making structures can be explained by public reform policies. The book offers a coherent, empirically grounded and theoretically driven presentation of data and core ideas behind a large scale comparative study of 26 universities across eight European countries. It focuses on the strength of university managerial structures, the role of academics, and how universities relate to and depend on their environment: to governments and other actors; to funders; to evaluators; and to external stakeholders. It further explores how higher education policies are shaped by and affect universities. Written by a cross-disciplinary team of European scholars, this book is unique both in its wide coverage and the depth of its analyses. It will be of great interest to scholars, graduate students and advanced undergraduates in the fields of organisation theory and sociology, policy studies, comparative public policy and administration, and higher education studies. It will also be of interest to higher education policy makers and administrators.

In the last two decades, the biannual ECPPM (European Conference on Product and Process Modelling) conference series has provided a unique platform for the presentation and discussion of the most recent advances with regard to the ICT

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(Information and Communication Technology) applications in the AEC/FM (Architecture, Engineering, Construction and

This book contains a selection of articles from The 2015 World Conference on Information Systems and Technologies (WorldCIST'15), held between the 1st and 3rd of April in Funchal, Madeira, Portugal, a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern Information Systems and Technologies research, technological development and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Human-Computer Interaction; Health Informatics; Information Technologies in Education; Information Technologies in Radio communications.

This guidebook for airport professionals, policy makers, and industry professionals provides a step-by-step process for conducting a business-driven evaluation of competing options to renew or replace airport terminal facilities. Some of the contributing factors of these decision-making tools include life-cycle

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cost, airside/landside or terminal capacity in relation to passenger demand, facilities obsolescence and condition, development risk, development schedule, changes in regulatory requirements, airline needs, operational constraints, tenant make-up, and airport business model. The process is repeatable and scalable to airports of different sizes. Furthermore, the guidebook is intended to assist airports in identifying the need for terminal redevelopment and selecting among competing options for renewing versus replacing existing terminal facilities. The guidebook promotes a sequential four-step process wherein the need for terminal redevelopment is determined, options are developed, evaluations are performed, and recommendations are documented.

This book was written by a Maximo consultant for Maximo functional consultants to help them lead implementation projects better and faster. This is already the second edition of this book, revised and extended. The book covers the topic of how to implement IBM Maximo Asset Management efficiently and bring value to customers. The book begins by describing how to prepare the project and run the workshops. There is an explanation of how to design the system and what deliverables will be. The following chapters focus on the project organization to make it productive. This part of the book can be helpful also for managers of Maximo implementation teams. The second part of the book describes Maximo

applications, their interactions, and processes. You will also find here a lot of configuration examples and sample content of the project deliverables. See what my readers have to say... “...I must thank you for your contribution towards the industry and how much it can help young and upcoming business consultants like me in getting things right. Knowledge is invaluable. Thanks for your time in creating a medium to share it globally...” —Hashmeet “...The book has immensely helped me in planning the activities and deploying the project....” —Kushal “...Very well written for a consultant to understand how to approach projects. Utilize many of your talking points with my clients. Great work!...” —John

For the fourth consecutive year, the Association of Geographic Information Laboratories for Europe (AGILE) promoted the edition of a book with the collection of the scientific papers that were submitted as full-papers to the AGILE annual international conference. Those papers went through a competitive review process. The 13 AGILE conference call for full-papers of original and unpublished fundamental scientific research resulted in 54 submissions, of which 21 were accepted for publication in this volume (acceptance rate of 39%). Published in the Springer Lecture Notes in Geoinformation and Cartography, this book is associated to the 13 AGILE Conference on Geographic Information Science, held in 2010 in Guimarães, Portugal, under the title “Geospatial

Thinking". The efficient use of geospatial information and related technologies assumes the knowledge of concepts that are fundamental components of Geospatial Thinking, which is built on reasoning processes, spatial conceptualizations, and representation methods. Geospatial Thinking is associated with a set of cognitive skills consisting of several forms of knowledge and cognitive operators used to transform, combine or, in any other way, act on that same knowledge. The scientific papers published in this volume cover an important set of topics within Geoinformation Science, including: Representation and Visualisation of Geographic Phenomena; Spatiotemporal Data Analysis; Geo-Collaboration, Participation, and Decision Support; Semantics of Geoinformation and Knowledge Discovery; Spatiotemporal Modelling and Reasoning; and Web Services, Geospatial Systems and Real-time Applications.

The first comprehensive collection of its kind, this handbook addresses the problem of knowledge production in criminology, redressing the global imbalance with an original focus on the Global South. Issues of vital criminological research and policy significance abound in the Global South, with important implications for South/North relations as well as global security and justice. In a world of high speed communication technologies and fluid national borders, empire building has shifted from colonising territories to colonising knowledge. The authors of this

volume question whose voices, experiences, and theories are reflected in the discipline, and argue that diversity of discourse is more important now than ever before. Approaching the subject from a range of historical, theoretical, and social perspectives, this collection promotes the Global South not only as a space for the production of knowledge, but crucially, as a source of innovative research and theory on crime and justice. Wide-ranging in scope and authoritative in theory, this study will appeal to scholars, activists, policy-makers, and students from a wide range of social science disciplines from both the Global North and South, including criminal justice, human rights, and penology.

Ageing infrastructure and declining water resources are major concerns with a growing global population. Controlling water loss has therefore become a priority for water utilities around the world. In order to improve efficiencies, water utilities need to apply good practices in leak detection. Leak Detection: Technology and Implementation assists water utilities with the development and implementation of leak detection programs. Leak detection and repair is one of the components of controlling water loss. In addition, techniques are discussed within this book and relevant case studies are presented. The book provides useful and practical information on leakage issues. Table of Contents Introduction; The Technology Matrices; Acoustic Principles; History of Acoustics; Leak Detection Technologies;

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Other Techniques; Optimization tools for leak location; Optimization Principle; System Evaluation; Field Data Process; Optimization Analysis; Post-optimization Analysis; Case Studies; Useful and practical information on leakage issues. IBM® defines a smarter city as one that makes optimal use of all available information to better understand and control its operations and optimize the use of resources. There is much information available from different sources. However, city officials often lack the holistic view of the city's operations that is required to respond to the citizens' needs in a timely manner and use the city resources wisely. IBM Intelligent Operations Center delivers a unified view of city agencies, providing three primary elements for successful management of cities: use information, anticipate problems, and coordinate actions and resources. Chapter 1 of this IBM Redbooks® publication introduces the IBM Intelligent Operations Center solution. The chapter provides a high-level overview of its features, benefits, and architecture. This information is intended for city officials and IT architects that must understand the business value of IBM Intelligent Operations Center and its architecture. The remaining chapters of this book focus on information that help IBM Intelligent Operations Center administrators perform daily administration tasks. This book describes commands and tools that IBM Intelligent Operations Center administrators must use to keep the solution

running, troubleshoot and diagnose problems, and perform preventive maintenance. This book includes preferred practices, tips and techniques, and general suggestions for administrators of IBM Intelligent Operations Center on-premises deployments. For related information about this topic, refer to the following IBM Redbooks publications: IBM Intelligent Operations Center for Smarter Cities Redpaper, REDP-4939 IBM Intelligent Operations Center for Smarter Cities Solution Guide

It is with great pleasure that we welcome you to the inaugural World Congress on Engineering Asset Management (WCEAM) being held at the Conrad Jupiters Hotel on the Gold Coast from July 11 to 14, 2006. More than 170 authors from 28 countries have contributed over 160 papers to be presented over the first three days of the conference. Day four will be host to a series of workshops devoted to the practice of various aspects of Engineering Asset Management. WCEAM is a new annual global forum on the various multidisciplinary aspects of Engineering Asset Management. It deals with the presentation and publication of outputs of research and development activities as well as the application of knowledge in the practical aspects of: strategic asset management risk management in asset management design and life-cycle integrity of physical assets asset performance and level of service models financial analysis methods for physical assets

reliability modelling and prognostics information systems and knowledge management asset data management, warehousing and mining condition monitoring and intelligent maintenance intelligent sensors and devices regulations and standards in asset management human dimensions in integrated asset management education and training in asset management and performance management in asset management. We have attracted academics, practitioners and scientists from around the world to share their knowledge in this important emerging transdiscipline that impacts on almost every aspect of daily life.

This book constitutes the refereed proceedings of the 8th International Conference on Cooperative Information Systems, CoopIS 2001, held in Trento, Italy in September 2001. The 29 revised full papers presented together with three invited contributions were carefully reviewed and selected from 79 submissions. The papers are organized in topical sections on agent and systems; information integration; middleware, platforms, and architectures; models; multi and federated database systems; Web information systems; workflow management systems; and recommendation and information seeking systems.

Discover BIM: A better way to build better buildings Building Information Modeling (BIM) offers a novel approach to design, construction, and facility

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management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Information on the ways in which professionals should use BIM to gain maximum value New topics such as collaborative working, national and major construction clients, BIM standards and guides A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

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Thomas J Watson Sr's motto for IBM was THINK, and for more than a century, that one little word worked overtime. In *Making the World Work Better: The Ideas That Shaped a Century and a Company*, journalists Kevin Maney, Steve Hamm, and Jeffrey M. O'Brien mark the Centennial of IBM's founding by examining how IBM has distinctly contributed to the evolution of technology and the modern corporation over the past 100 years. The authors offer a fresh analysis through interviews of many key figures, chronicling the Nobel Prize-winning work of the company's research laboratories and uncovering rich archival material, including hundreds of vintage photographs and drawings. The book recounts the company's missteps, as well as its successes. It captures moments of high drama – from the bet-the-business gamble on the legendary System/360 in the 1960s to the turnaround from the company's near-death experience in the early 1990s. The authors have shaped a narrative of discoveries, struggles, individual insights and lasting impact on technology, business and society. Taken together, their essays reveal a distinctive mindset and organizational culture, animated by a deeply held commitment to the hard work of progress. IBM engineers and scientists invented many of the building blocks of modern information technology, including the memory chip, the disk drive, the scanning tunneling microscope (essential to nanotechnology) and even new fields of mathematics. IBM brought

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the punch-card tabulator, the mainframe and the personal computer into the mainstream of business and modern life. IBM was the first large American company to pay all employees salaries rather than hourly wages, an early champion of hiring women and minorities and a pioneer of new approaches to doing business--with its model of the globally integrated enterprise. And it has had a lasting impact on the course of society from enabling the US Social Security System, to the space program, to airline reservations, modern banking and retail, to many of the ways our world today works. The lessons for all businesses – indeed, all institutions – are powerful: To survive and succeed over a long period, you have to anticipate change and to be willing and able to continually transform. But while change happens, progress is deliberate. IBM – deliberately led by a pioneering culture and grounded in a set of core ideas – came into being, grew, thrived, nearly died, transformed itself... and is now charting a new path forward for its second century toward a perhaps surprising future on a planetary scale.

This open access book examines recent advances in how artificial intelligence (AI) and robotics have elicited widespread debate over their benefits and drawbacks for humanity. The emergent technologies have for instance implications within medicine and health care, employment, transport,

manufacturing, agriculture, and armed conflict. While there has been considerable attention devoted to robotics/AI applications in each of these domains, a fuller picture of their connections and the possible consequences for our shared humanity seems needed. This volume covers multidisciplinary research, examines current research frontiers in AI/robotics and likely impacts on societal well-being, human – robot relationships, as well as the opportunities and risks for sustainable development and peace. The attendant ethical and religious dimensions of these technologies are addressed and implications for regulatory policies on the use and future development of AI/robotics technologies are elaborated.

Engineering Asset Management 2010 represents state-of-the art trends and developments in the emerging field of engineering asset management as presented at the Fifth World Congress on Engineering Asset Management (WCEAM). The proceedings of the WCEAM 2010 is an excellent reference for practitioners, researchers and students in the multidisciplinary field of asset management, covering topics such as: Asset condition monitoring and intelligent maintenance Asset data warehousing, data mining and fusion Asset performance and level-of-service models Design and life-cycle integrity of physical assets Education and training in asset management Engineering standards in asset

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management Fault diagnosis and prognostics Financial analysis methods for physical assets Human dimensions in integrated asset management Information quality management Information systems and knowledge management Intelligent sensors and devices Maintenance strategies in asset management Optimisation decisions in asset management Risk management in asset management Strategic asset management Sustainability in asset management

IBM® Rational® Application Developer for WebSphere® Software V8 is the full-function Eclipse 3.6 technology-based development platform for developing Java™ Platform, Standard Edition Version 6 (Java SE 6) and Java Platform, Enterprise Edition Version 6 (Java EE 6) applications. Beyond this function, Rational Application Developer provides development tools for technologies, such as OSGi, Service Component Architecture (SCA), Web 2.0, and XML. It has a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including web developers, Java developers, business analysts, architects, and enterprise programmers. This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V8.0.1. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications and achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V7.5

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Programming Guide, SG24-7672.

Der effektive Einsatz der Informationstechnologie im Facility Management stellt eine große Herausforderung dar. In dem Handbuch finden Nutzer erstmals systematisch alle Aspekte gebündelt, die bei der Einführung einer Computer-Aided-Facility-Management-Software zu beachten sind: Bedeutung, Einsatzbereiche und Prozesse sowie neue Modelle zur Wirtschaftlichkeitsbetrachtung werden erörtert. Neu in der 3. Auflage: aktuelle Entwicklungen wie Webservices und moderne Integrationsansätze. Der Band bietet viele Praxisbeispiele und Tipps.

A practical look at extending the value of BuildingInformation Modeling (BIM) into facility management—from theworld's largest international association for professional facilitymanagers Building owners and facility managers are discovering thatBuilding Information Modeling (BIM) models of buildings are deepreservoirs of information that can provide valuable spatial andmechanical details on every aspect of a property. When usedappropriately, this data can improve performance and save time,effort, and money in running and maintaining the building duringits life cycle. It can also provide information for futuremodifications. For instance, a BIM could reveal everything from themanufacturer of a light fixture to its energy usage to maintenanceinstructions. BIM for Facility Managers explains how BIM can be linkedto facility management (FM) systems to achieve very significantlife-cycle advantages. It presents guidelines for using BIM in FMthat have been developed by public and private owners such as

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theGSA. There is an extensive discussion of the legal and contractual issues involved in BIM/FM integration. It describes how COBie can be used to name, capture, and communicate FM-related data to downstream systems. There is also extensive discussion of commercial software tools that can be used to facilitate this integration. This book features six in-depth case studies that illustrate how BIM has been successfully integrated with facility management in real-life projects at: Texas A&M Health Science Center USC School of Cinematic Arts MathWork's new campus Xavier University State of Wisconsin Facilities University of Chicago Library renovation BIM for Facility Managers is an indispensable resource for facility managers, building owners, and developers alike.

Engineering Asset Management discusses state-of-the-art trends and developments in the emerging field of engineering asset management as presented at the Fourth World Congress on Engineering Asset Management (WCEAM). It is an excellent reference for practitioners, researchers and students in the multidisciplinary field of asset management, covering such topics as asset condition monitoring and intelligent maintenance; asset data warehousing, data mining and fusion; asset performance and level-of-service models; design and life-cycle integrity of physical assets; deterioration and preservation models for assets; education and training in asset management; engineering standards in asset management; fault diagnosis and prognostics; financial analysis methods for physical assets; human dimensions in integrated asset

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management; information quality management; information systems and knowledge management; intelligent sensors and devices; maintenance strategies in asset management; optimisation decisions in asset management; risk management in asset management; strategic asset management; and sustainability in asset management. Ageing infrastructure and declining water resources are major concerns with a growing global population. Controlling water loss has therefore become a priority for water utilities around the world. In order to improve their efficiencies, water utilities need to apply good practice in leak detection. To deal with losses in an effective manner, particularly from networks in water-scarce areas, water utility managers are increasingly turning to technology to reduce costs, increase efficiency and improve reliability. Companies that continuously invest in technology and innovation should see a positive return on investment in terms of improving daily operations and collection and analysis of network data for decision making and forward planning. Methodologies for achieving the best results to reduce water losses are continuously evolving. Water utilities and equipment manufacturers are increasingly working together to stretch the boundaries of current knowledge. This is leading to some innovative technologies and new product development to complement current methodologies. This book reflects the situation at the time of publication. This 2nd edition of the book updates practices and technologies that have been introduced or further developed in recent years in leakage detection outlining recent advancements in technology used, such as satellite aided methods in

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leak location, pipeline inspection with thermal diagnostics, inspection of pipelines by air using infra-red or thermal imaging cameras, Drones for leak detection activities and even sniffing dogs . In addition, it is enriched with new case studies which provide useful examples of practical applications of several leak detection practices and technologies.

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