



SUSTAINABLE FACILITY MANAGEMENT

**THE FACILITY MANAGER'S
GUIDE TO OPTIMIZING
BUILDING PERFORMANCE**

**Chris Hedges, P.E., CFM, LEED AP, IFMA Fellow, FRICS
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Sustainable Facility Management The Facility Managers Guide To Optimizing Building Performance

Regina Clarke

Sustainable Facility Management The Facility Managers Guide To Optimizing Building Performance:

Sustainable Facility Management Chris Hodges,Mark Sekula,2013-11-19 The current state of the facility management world is dynamic and evolving More and more facility managers are participating in the design and construction of the buildings that they will eventually operate Technologies such as building information modeling BIM offer ways to bridge the gap between the design and construction phase and the operation of buildings by making much more information available than existed in the past We are also starting to see the emergence of the importance of a properly educated workforce in facility management Emerging trends and issues include the effective utilization of performance management tools

Corporate Social Responsibility and the Triple Bottom line This book captures in a practical and utilitarian way information best practices and processes that will assist facility managers in addressing these trends as well as ongoing challenges It provides a set of benchmarks reference points and guidance that will enable the facility management community to be better informed and prepared in the execution of its mission It serves as a great resource for those who are veterans in the community as well as those who are new entrants to or are examining the career opportunities within Rethinking Sustainability in Facilities and Workplace Management Frans Melissen,Bert Smit,Vitalija Danivska,Andrew Ngawenja

Mzembe,2022-08-19 This book discusses sustainability within the facility management industry However it is not another anthology of so called best practices and the seemingly endless range of certification schemes It is also not a marketing guide on how to communicate high pitched sustainability ambitions to potential customers to increase short term market share Instead this book is based on the realisation that most facility management businesses and departments actually find it hard to truly integrate sustainability into their strategies tactics and day to day operations in a coherent way It is also based on the reference point that sustainable development cannot be realised only through technological advancements and new procedures it requires new behavioural patterns of people Not only of your own employees as a supplier or department but also of those for whom you design stage and manage optimal workplace experiences Those patterns will not emerge from nowhere but need to be purposely created and cultivated based on a thorough understanding of what people and organisations need want and desire Through reviewing specific barriers and opportunities related to practical situations and examples at all three levels of facility management the operational tactical and strategic level and supported by the latest theoretical insights this book provides students and practitioners with inspiration and suggestions for using sustainability as a guideline for improving workplace experience concepts and FM strategies services and processes Each chapter uses specific cases and examples as the starting point for reflecting on avenues to move from treating sustainability as an add on to using it as a powerful concept to create optimal workplace experiences In doing so these reflections provide lecturers students and current and future professionals with practical guidelines and pointers to take sustainability within the facility management industry to a much needed next level Facilities Management and Corporate Real Estate Management as

Value Drivers Per Anker Jensen, Theo van der Voordt, 2016-10-04 Facilities Management FM and Corporate Real Estate Management CREM are two closely related and relatively new management disciplines with developing international professions and increasing academic attention. Both disciplines have from the outset a strong focus on controlling and reducing cost for real estate facilities and related services. In recent years there has been a change towards putting more focus on how FM and CREM can add value to the organisation. This book is driven by the need to develop a widely accepted and easily applicable conceptual framework of adding value by FM and CREM. It presents the state of the art of theoretical knowledge and empirical evidence about the impact of buildings and facilities on 12 value parameters and how to manage and measure these values. The findings are connected to a new Value Adding Management model. The book is research based with a focus on guidance to practice. It offers a transdisciplinary approach integrating academic knowledge from a variety of different fields with practical experience. It also includes 12 interviews with practitioners shedding light as to how they manage adding value in practice. This is a much needed resource for practitioners, researchers and teachers from the field of FM and CREM as well as students at both undergraduate and postgraduate level.

LEED Lab Patricia Andrasik, 2021-11-22

Facility performance evaluations inform the long term life of a building and do not end with design or construction. To this aim, Patricia Andrasik created LEED Lab in collaboration with the US Green Building Council, an increasingly popular international interdisciplinary collegiate laboratory course which utilizes campus buildings as demonstration sites to facilitate the green assessment of existing buildings. LEED Lab: A Model for Sustainable Design Education uses the LEED O&M building rating system to measure and achieve performance driven campus facilities in which the readers work and operate. The book explains in simple terms the theory, tasks, tools and techniques necessary for credit implementation and achievement and includes case studies and exercises for practical application in each chapter. Readers will learn the conceptual scientific framework used to understand existing operational performance and how to quantify sustainable synergies, create green campus policies with administrators and understand systems such as energy and water in a research based application. The entire manual is accompanied by a vast online Teaching Toolkit to provide helpful educational resources such as syllabi, lectures, examinations, assignments, Individual Student Progress Presentation (ISSP) templates, web resources and much more. An excellent guide for undergraduate or graduate students enrolled in LEED Lab or a similar campus building assessment course as well as construction or architectural professionals and facility managers, this manual navigates the complexities of using a green building diagnostic tool such as LEED O&M towards greater environmental literacy.

The Sustainable Museum Christopher J. Garthe, 2022-11-30 The Sustainable Museum is the first book to outline a coherent strategy for the direction of museums as it relates to sustainability in the museum and heritage sector. Arguing that museums must place sustainability at the centre of all their activities if they are to become key actors with a clear societal role, Garthe considers the issues that museums will likely face as they take on their new roles. Presenting case studies from a

wide range of museums around the world the book considers different ways of implementing sustainability in different types and sizes of institutions Whilst the book clearly outlines the need for change it also provides guidance about how to change Garthe does this by considering specific concepts and approaches to sustainability in relation to the different aspects of museum operations The book includes a hands on manual for implementing sustainability management in a museum whilst also considering the challenges practitioners will encounter and considering what the future of the sustainable museum might look like The Sustainable Museum will be essential reading for museum and heritage professionals around the globe The book will also be of interest to academics and students engaged in the study of museums arts and cultural management business administration change management or sustainable development **Future Campus** Ian Taylor,2019-07-25 This book is to help architects design teams and University clients estates departments and academics in their pursuit of practical and innovative solutions for the creation of enabling higher education learning environments It includes abundant examples of solutions to design problems and advice on best practice This book argues that investment in the higher education sector is a driver for intellectual social and economic development offering opportunities for positive impacts for the physical environment on the character and performance of higher education The editor believes that good outcomes result from good design which should address elements such as learning from best current practice the importance of clear briefing good environmental performance the positive social impacts and also the importance of ensuring a beautiful outcome It has chapters contributed from leading edge practices including case studies with highly illustrated project examples All this is underpinned by an understanding of the practicalities of working in the sector as well as the socio political and economic context and trends shaping future practice **Navy Civil Engineer** ,1991 **Sustainable Industries Journal** ,2006

Environmental Management Regina Clarke,1996 ***Sustainable Practice for the Facilities Manager*** Sunil Shah,2008-04-15 sectors including offices retail and manufacturing It explainsthe facilities manager s role in incorporating sustainabilityinto the whole life cycle of a building from initialbriefing to final disposal The book takes a structured approach masterplanning and real estate acquisitions anddisposals design construction and commissioning refurbishment fit out and project management maintenance operation occupant satisfaction Sustainable Practice for the Facilities Manager fills a the gapbetween the policy level sustainability books and the detailedtechnical documents by focusing on the what and how of planning and implementing sound environmentalmanagement practices in the context of FM operations It covers policy and trends on global European and UK levelsaffecting businesses compliance requirements for organisations including some sector specific areas and best practice with goodand bad case studies showing the business benefits of incorporating sustainable practice into day to day activities The book is for facilities management professionals public and private organisations owning properties property companies institutional investors building services or supplier organisations and will help you deliver an improved operationally performingfacility Sunil Shah Technical Director and Head

of Sustainability Jacobs Sunil has over eight years consultancy experience within the built environment reviewing lifecycle environmental and social impacts from facilities. He has experience in a number of sectors providing strategic consultancy support for clients including GlaxoSmithKline, BP, BAA, HM Prison Service, Pfizer and London Fire Brigade. Sunil has most recently been involved in supporting the inclusion of facilities management within the DTI's Sustainable Construction Strategy.

Mastering Facility Management: A Comprehensive Guide for Beginners Neil Bright, Embark on a journey to master the intricate world of Facility Management with *Mastering Facility Management: A Comprehensive Guide for Beginners*. This indispensable handbook offers a holistic approach to understanding and excelling in the field, covering everything from the fundamentals of facility planning to cutting-edge innovations shaping the future. With ten meticulously crafted chapters, readers are guided through essential topics such as strategic planning, space management, environmental sustainability, technology integration, health and safety management, project leadership, and emerging trends. Whether you're a novice eager to dive into the industry or a seasoned professional seeking to enhance your skills, this book equips you with the knowledge and tools needed to thrive in the dynamic realm of Facility Management. Unlock the secrets to efficient operations, sustainable practices, and visionary leadership, and transform your approach to managing facilities with confidence and expertise.

The Facility Management Handbook Kathy Roper, Richard Payant, 2014-07-23 The wide-ranging umbrella of facility management covers everything from technology systems to disaster recovery planning to zoning compliance and that's just getting started. Facilities management is a multidisciplinary function that requires a deep knowledge of the entire business and physical planning cycle. Undoubtedly, the sheer scope of duties requires a far-reaching reference for staying abreast of the latest innovations and best practices. *The Facility Management Handbook* is the answer. This guide shares insightful overviews, case studies, and practical guidelines that pave the way for successful planning, budgeting, real estate transactions, construction, emergency preparedness, security operations, maintenance, and more. The thoroughly revised fourth edition examines cutting-edge technologies and includes new information on Building Information Modeling (BIM), Contracting, and project management methods, FASB and IASB requirements, Distributed working, Sustainability reporting, and more. *The Facility Management Handbook* is the one-stop resource every facility manager must have to master a broad scope of duties while staying current on innovations and best practices.

The Facility Management Handbook David G. Cotts, Kathy O. Roper, Richard P. Payant, 2010 Nothing ever published in the facility management field comes close to the unconditional acceptance of *The Facility Management Handbook*. Extensively updated for the realities of today's workplace, the book gives readers the tools and guidance they need to wipe out inefficiency and create a productive facility that integrates people, place, and process. In addition, the book includes 30% new material, including indispensable information on sustainability and post-9/11 security concerns. Comprehensive and up-to-date, this is still the ultimate resource for facility managers.

Chemical Engineering Progress, 2007 *Sustainable Retrofit and Facilities Management* Paul Appleby, 2013 Explores the

relationship between the refurbishment of existing buildings facility management and the wider community infrastructure

Control Solutions International ,2003 **High-performance Buildings** MS. Tony Robinson,2013 **The Facility**

Management Handbook David G. COTTS PE, CFM,Kathy O. ROPER CFM, LEED AP,Richard P. PAYANT CFM, CPE,2009-07-22 Based on best practices and proven research The Facility Management Handbook has long been the go to resource for professionals in the field Extensively updated for the realities of today s workplace the third edition provides readers with the tools and guidance they need to wipe out inefficiency and create a productive facility that integrates people place and process Covering a broad range of topics from space planning and maintenance to benchmarking and outsourcing readers will gain practical insight into how they can design construct and maintain facilities using sustainable practices provide a safe attractive work environment that supports productivity ensure that facility plans match organizational needs plan and control capital expenditures address critical security and emergency preparedness issues Complete with case studies and indispensable information on sustainability and post 9 11 security concerns this is still the ultimate resource for facility managers

Facilities Management Eli Jr,2023-12-23 Facilities Management provides a thorough and accessible overview of the dynamic field of facility management offering a comprehensive guide to achieving optimal performance and success Written by Eli Jr this book covers essential topics including control of support services preventive maintenance effective budget management outsourcing sustainability and performance monitoring With a clear focus on practical strategies and real life examples this book equips facility managers aspiring professionals and industry enthusiasts with the tools and knowledge needed to successfully navigate the complex world of facility management From establishing control over support services to managing the workplace and understanding the role of project management you ll find the key concepts and techniques necessary for efficient facility operations Discover how to optimize preventive maintenance routines and develop a robust maintenance strategy that minimizes downtime and maximizes asset lifespan Gain insights into effective budget management that allows you to allocate resources wisely and achieve cost efficiencies without sacrificing service quality Learn the intricacies of service contracts outsourcing and contracting and how to enhance service delivery and performance management The book also delves into the critical role of project management in facility management helping you understand how to successfully plan execute and close facility projects for optimal results Explore the growing importance of sustainability in facility management covering topics such as energy efficiency waste management and incorporating environmentally friendly practices Performance monitoring and benchmarking are key elements of facility management success and this book provides guidance on how to establish meaningful Key Performance Indicators KPIs and conduct assessments audits and benchmarking to continually improve operations Whether you re new to the field or seeking to enhance your existing knowledge Facilities Management offers a comprehensive and practical resource that will empower you to excel in the dynamic and ever evolving world of facility management With its clear language real life examples and

actionable insights this book is an indispensable companion for anyone involved in the management of facilities

Maintainability of Facilities Yit Lin Chew, 2016-08-19 This book focuses on spearheading the integration of maintainability and green facility management right from the design stage. The text introduces the concept of green maintainability and discusses considerations to maximize the performance by achieving resource and energy efficiency while minimizing the total life cycle cost in embodied energy, environmental impact and consumption of matter energy throughout the life cycle of a facility by doing it right the first time. In this edition existing chapters have been brought up to date to include contemporary sustainability concerns such as sustainability design, construction and materials and maintainability of green features. Maintainability of Facilities is written for practitioners and students in architecture, engineering, building, real estate, construction project management, facilities management, quantity and building surveying.

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