

Global Carbon Footprint Management Market Research Report



North America

CAGR
(2023-2031)

20.17%



By Deployment Mode:



By Component:



By Vertical:



Market Size:
US\$ 10.85 Bn
(2022)



Key Players:

IBM

Schneider
Electric

salesforce

SAP

ISOMETRIX

ENGIE

Carbon Footprint Advanced

**John Krogstie, Haralambos
Mouratidis, Jianwen Su**



Carbon Footprint Advanced:

Proceedings of the 2025 3rd International Conference on Digital Economy and Management Science (CDEMS 2025)

Wenke Zang, Chunping Xia, 2025-06-26 This is an open access book The 3rd International Conference on Digital Economy and Management Science CDEMS 2025 will be held in Wuhan from April 18 to 20 2025 The conference mainly focuses on the research fields of digital economy and management science The conference aims to provide a platform for experts and scholars engaged in economics management and science to exchange scientific research results and cutting edge technologies understand academic development trends broaden research ideas strengthen academic research and discussion and promote industrial cooperation of academic results Experts scholars business people and other relevant people from universities and research institutions at home and abroad are cordially invited to attend

Handbook of Advanced Performability Engineering Krishna B. Misra, 2020-11-16 This book considers all aspects of performability engineering providing a holistic view of the activities associated with a product throughout its entire life cycle of the product as well as the cost of minimizing the environmental impact at each stage while maximizing the performance Building on the editor's previous Handbook of Performability Engineering it explains how performability engineering provides us with a framework to consider both dependability and sustainability in the optimal design of products systems and services and explores the role of performability in energy and waste minimization raw material selection increased production volume and many other areas of engineering and production The book discusses a range of new ideas concepts disciplines and applications in performability including smart manufacturing and Industry 4.0 cyber physical systems and artificial intelligence digital transformation of railways and asset management Given its broad scope it will appeal to researchers academics industrial practitioners and postgraduate students involved in manufacturing engineering and system and product development

Data for a Greener World Mr. Serkan Arslanalp, International Monetary Fund, Ms. Kristina Kostial, Mr. Gabriel Quiros-Romero, 2023-04-04 The book presents a structured discussion of measuring the key economic and financial dimensions of climate change It combines economic theory and analysis with real world examples of how climate data can be constructed for different country settings based on existing climate science and economic data The book will serve as a reference point for the IMF's Climate Change Indicators Dashboard CID A guiding principle of the book is that there are important climate data gaps but also practical and innovative approaches to close many of them The book discusses how to track greenhouse gas emissions by production and consumption Chapters 1-2 which lead to physical risks Chapters 3-4 and transition risks Chapters 5-7 and conclude with cross border dimensions of climate risks Chapters 8-9

AI for Advanced Manufacturing and Industrial Applications Bidyut Sarkar, Rudrendu Kumar Paul, 2025-05-03 This book provides a deep dive into the applications of Artificial Intelligence AI in advanced manufacturing and intelligent autonomous systems Through real world use cases and cutting edge insights it examines how AI machine learning IoT and Industry 5.0 are revolutionizing

manufacturing processes from end to end Discover how integrating AI technologies with data analytics and IoT can unlock smarter more efficient and adaptable manufacturing solutions Learn how predictive algorithms can foresee equipment failures optimize inventory in real time and enable autonomous robots to handle complex tasks from assembly to logistics With these innovations manufacturers can achieve new levels of productivity drive innovation and create future ready business models Designed for industry practitioners decision makers and aspiring professionals this comprehensive guide offers actionable strategies and practical insights for implementing AI in advanced manufacturing Whether you re a leader seeking to modernize operations or a graduate student aiming to enter this dynamic field this book will empower you to navigate and leverage the next frontier of industrial innovation

Mastering SAP Techno Solutions: Advanced Techniques for Optimizing Business Processes & Sustainable transportation future ,2025-01-18 In a world where technology underpins every aspect of business SAP solutions have emerged as indispensable tools for organizations striving to streamline operations drive innovation and achieve sustainable growth From optimizing supply chains to enabling real time decision making SAP s versatile platforms empower businesses to remain agile and competitive in an ever changing marketplace Mastering SAP Techno Solutions Advanced Techniques for Optimizing Business Processes Sustainable Transportation Future is a comprehensive guide that delves deep into the intersection of SAP technologies and strategic business transformation Designed for IT professionals business leaders and SAP enthusiasts this book explores cutting edge approaches to harnessing SAP solutions for maximum impact particularly in the realm of sustainable transportation and environmentally conscious operations In this book readers will discover Advanced techniques for configuring and optimizing SAP systems to enhance business efficiency Integration strategies for unifying SAP solutions with emerging technologies such as IoT AI and blockchain Practical insights into leveraging SAP modules for sustainable supply chain and transportation management Case studies highlighting innovative applications of SAP in fostering eco friendly business practices Future trends in SAP development and their implications for digital transformation As sustainability becomes a core objective for businesses globally this book places a special emphasis on how SAP solutions can drive green initiatives reduce carbon footprints and enable smarter more efficient transportation systems By blending technical expertise with visionary strategies this book provides readers with actionable knowledge to thrive in the modern era of digitalization and environmental responsibility Authors

NFTs Basic to Advance R.H Rizvi,2024-07-29 Dive into the revolutionary world of Non Fungible Tokens NFTs with NFTs A Comprehensive Guide to the Future of Digital Assets by R H Rizvi This essential guide offers an in depth exploration of NFTs demystifying their complexity and illuminating their impact across various industries From the fundamentals of what NFTs are and how they work to the intricate details of their creation buying and selling this book provides a thorough understanding of the NFT landscape R H Rizvi takes readers on a journey through the history and evolution of NFTs explaining the blockchain technology that underpins them and offering practical advice on creating and

trading your first NFT The book delves into the valuation of NFTs exploring what makes them valuable and how to evaluate potential investments It also addresses critical legal and ethical considerations including intellectual property rights and environmental impacts With chapters dedicated to the role of NFTs in art collectibles gaming music and real estate this guide offers insights into how NFTs are reshaping traditional industries and creating new opportunities It also tackles the challenges and risks associated with NFT investments providing strategies for navigating this dynamic market In **NFTs A Comprehensive Guide to the Future of Digital Assets** R H Rizvi combines expert analysis with practical guidance making it an indispensable resource for artists collectors investors and anyone curious about the future of digital ownership Whether you re new to the NFT space or looking to deepen your knowledge this book will equip you with the tools and insights needed to navigate and thrive in the evolving world of NFTs

Advanced Bionanocomposite Materials Soney C. George, Benjamin Tawiah, 2025-11-14 This book explores the integration of bio nanotechnology and composite materials emphasizing their potential for promoting sustainability This book discusses bionano composites which combine biological components with nanotechnology to enhance performance while minimizing environmental impact This is particularly relevant given the increasing environmental concerns and the need for sustainable alternatives to traditional materials The synergy between these materials results in composites that are not only high performing but also environmentally friendly This is crucial for developing sustainable materials that can replace conventional petroleum based composites which are often linked to significant environmental degradation Furthermore this book examines the diverse applications of bionano composites in various sectors such as packaging construction automotive and biomedical fields This book serves as a vital resource for researchers and industry professionals interested in sustainable materials that aligns with the UNDP SDGs 2030 target In addition to students teachers and researchers in the areas of firm behavior public economics public administration and public policy this book is also of great interest to policy makers planners and non government agencies who are concerned with understanding and addressing issues related to the cooperation of government and social capital in developed and developing countries

The Climate Action Monitor 2022 Helping Countries Advance Towards Net Zero OECD, 2022-11-07 The Climate Action Monitor 2022 updates the International Programme for Action on Climate IPAC annual comprehensive assessment of country progress towards net zero goals and the Paris Agreement commitments This year s edition draws on two new sets of indicators developed by IPAC on climate related hazards and climate action climate hazard and exposure indicators and the climate actions and policies measurement framework

Driving Business Success Through Eco-Friendly Strategies Kulkarni, Shrikaant, Valeri, Marco, William, P., 2025-02-12 The integration of business management with sustainability practices is crucial as organizations strive to balance profitability with environmental responsibility By utilizing interdisciplinary knowledge such as computer simulation models predictive analytics and mathematical tools businesses can optimize decision making and foster green practices These approaches not only address the complexities of

modern business but also help create sustainable ecosystems that ensure long term success while minimizing environmental impact Driving Business Success Through Eco Friendly Strategies provides businesses with a comprehensive understanding of how eco friendly strategies can be leveraged to drive long term success and sustainability It further illustrates how integrating environmentally responsible practices can lead to increased profitability operational efficiency and a stronger brand reputation ultimately contributing to a competitive edge in the marketplace Covering topics such as artificial intelligence AI renewable energy and user management this book is an excellent resource for researchers students academicians business professionals industrialists and more

The Sustainability Handbook, Volume 1 Mark Von Rosing, 2024-11-30 The Sustainability Handbook Volume 1 The Body of Knowledge around Substantial Sustainability Innovation provides a comprehensive and holistic understanding of sustainability bridging the gap between academic theory and business practices Global climate change poses enormous environmental challenges and societies across the world must adapt and innovate to further the goals of sustainability The private sector must find new ways of doing business to align practices with the Sustainable Development Goals SDGs adopted by the international community Using a conceptually structured framework throughout the book examines the latest academic research to summarize what environmental social and economic sustainability means in different contexts Using numerous specific case studies and insights from industry leaders the book shows how to strategically integrate sustainability into the organization with extensive focus on policies incentives measures operations production consumption and lifecycle management Volume 1 explores the concept of Substantial Sustainability Innovation within an enterprise and why it is important It clarifies the difference between environmental social and governance aspects of sustainability and how they relate to each other With examples from local sourcing to CO2 reduction business ethics to sustainability portfolio management green business process management to gender diversity this volume explores how you can use sustainability to innovate and identifies which components to use to build an effective sustainable strategy For researchers students and businesspeople at all levels and sectors this handbook is an essential reference of the latest sustainability tools and methodologies required to adapt and innovate towards sustainability Provides step by step guidance on key procedures and methodologies Presents chapters that begin with a graphical representation of how the topic fits within the larger framework Includes extensive coverage of sustainability related case studies and lessons learned

Carbon Footprint Advanced Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Carbon Footprint Advanced**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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Carbon Footprint Advanced Introduction

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