Record Nr. UNINA9911031664303321 Autore El Khatib Mounir Titolo Sustainable Innovation for Engineering Management (SIEM) / / edited by Mounir El Khatib, Haitham M. Alzoubi, Yordanka Angelova Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2025 Pubbl/distr/stampa **ISBN** 3-031-89889-3 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (782 pages) Collana Advances in Science, Technology & Innovation, IEREK Interdisciplinary Series for Sustainable Development, , 2522-8722 Altri autori (Persone) AlzoubiHaitham M AngelovaYordanka Disciplina 628.068 Soggetti Sustainability Business Management science Environmental engineering Civil engineering **Business and Management Environmental Civil Engineering** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto -- Track 1: Sustainability in Engineering Practices -- Track 2: Green Business Models -- Track 3: Ethical and Social Dimensions in Management -- Track 4: Environmental Impact of Innovations -- Track 5: Sustainable Supply Chain Strategies, etc. This book dives into topics like renewable energy adoption, how Al and Sommario/riassunto IoT can create smarter systems, and the transition toward more sustainable infrastructures. The SIEM book offers an in-depth look at how sustainable innovation is transforming engineering management, providing readers with practical insights and strategies. It focuses on advanced technologies, data-driven approaches, and circular economy concepts, aiming to tackle the key challenges that today's engineers and managers are facing. With a focus on the circular economy, it

explores how engineering leaders can integrate sustainability into their processes to achieve both efficiency and growth. Practical examples and real-world cases are also included, showing how companies

around the world are balancing innovation with environmental goals. In an era where businesses are under pressure to reduce their environmental impact while staying competitive, this book gives actionable tools and strategies for achieving both. From big data applications in decision-making to Al-powered solutions, Sustainable Innovation for Engineering Management (SIEM) equips readers with the knowledge they need to succeed in this evolving field. Designed for professionals, academics, and students, this book creates a bridge between theory and real-world practices. Whether you are working to solve current industry problems or looking to inspire sustainable change within your organization, this book is a valuable resource for driving innovation and fostering sustainability together.