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Sommario/riassunto	This book highlights the sustainable innovation in environmental design, materials science, and engineering technologies. It provides a multidisciplinary approach to addressing contemporary challenges in creating resilient, efficient, and health-promoting built environments. With contributions from leading experts, the book covers a wide range of topics including architectural design, urban planning, sustainable materials, and renewable energy technologies. Also, it explores sustainable solutions and innovative practices across a range of disciplines essential for the future of our built environment. It examines architectural design, urban planning, and infrastructure, highlighting approaches that promote resilience and efficiency in urban settings. The book aligns with sustainable development goals, providing

practical insights and strategies to achieve global sustainability targets. This book focuses on sustainable methodologies in material sciences, exploring the latest advancements in eco-friendly materials and their applications in construction. The integration of renewable energy technologies is thoroughly examined, showcasing how these innovations can reduce environmental impacts and enhance energy efficiency. Additionally, the book addresses the crucial theme of environmental integration and impacts, presenting comprehensive studies on the intersection of engineering technologies with environmental sustainability. Furthermore, it is an indispensable resource for professionals, researchers, and students dedicated to fostering sustainable development across multiple fields. It offers valuable guidance on implementing sustainable practices to create a healthier and more sustainable world.