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Autore	Shafik Wasswa
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Collana	Approaches to Global Sustainability, Markets, and Governance, , 2520-8780
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Soggetti	Technological innovations Sustainability Management Artificial intelligence Innovation and Technology Management Artificial Intelligence
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Nota di contenuto	Part 1: Technology, Sustainability, and the SDGs -- Introduction: Technology as a Catalyst for Achieving the Sustainable Development Goals (SDGs) -- The Intersection of Technology, Sustainability, and the Sustainable Development Goals SDGs -- Part 2: Technological Innovations and the SDGs -- SDG 1: No Poverty – Leveraging Technology for Economic Inclusion -- SDG 2: Zero Hunger – Technologies Transforming Agriculture -- SDG 3: Good Health and Well-Being – Digital Health Solutions -- SDG 4: Quality Education – Digital Platforms for Inclusive Learning -- SDG 5: Gender Equality – Bridging the Digital Gender Divide -- SDG 6: Clean Water and Sanitation – Smart Water Management -- SDG 7: Affordable and Clean Energy – Renewable Energy Technologies -- SDG 8: Decent Work and Economic Growth – Technology for Employment and Economic Opportunities -- Part 3: Infrastructure, Innovation, and Sustainable Systems -- SDG 9: Industry, Innovation, and Infrastructure – Smart Technologies for Sustainable Industry -- SDG 11: Sustainable Cities and Communities –

Smart Cities and Urban Sustainability -- SDG 12: Responsible Consumption and Production – The Circular Economy Part 4: Environmental Protection and Climate Action -- SDG 13: Climate Action – Technology for Climate Resilience and Mitigation -- SDG 14 & 15: Life Below Water and Life on Land – Conservation Technologies -- Part 5: Governance and Partnerships for SDGs -- SDG 16: Peace, Justice, and Strong Institutions – Digital Tools for Good Governance -- SDG 17: Partnerships for the Goals – Technology as a Catalyst for Global Collaboration -- The Future of Technology and the SDGs: Pathways to 2030 and Beyond.

Sommario/riassunto

This book explores the critical role of technology in advancing the United Nations' 2030 Agenda for Sustainable Development. With the world facing pressing challenges like climate change, poverty, and environmental degradation, innovations such as artificial intelligence, big data, the Internet of Things, blockchain, and renewable energy are increasingly shaping global efforts to achieve the Sustainable Development Goals (SDGs). The book examines how these technologies are transforming key sectors, from agriculture and healthcare to energy and education, offering practical solutions to complex global problems. By focusing on each SDG, it provides a thorough look at how technological advancements are being applied to drive sustainable development. Through real-world case studies, the book discusses the practical challenges of scaling and financing these technologies while highlighting the importance of governance, policy, and international cooperation in their success. It also explores how governments, businesses, and global institutions can leverage these innovations to build more resilient and inclusive societies. This book is intended for scholars, policymakers, entrepreneurs, and professionals in sustainability who are seeking a deeper understanding of how technology can be integrated into strategies for achieving the SDGs. As the 2030 deadline approaches, it also offers insights into future trends and emerging technologies that will shape a more sustainable and equitable world in the years to come.
