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Nota di contenuto	Introduction -- Renewable Energy Technology -- Advanced Building Design Technology -- Innovative Infrastructures and Transportation Engineering -- Clean Water and Sanitation System -- Sustainable Urban and Rural Development -- Clean Environment -- Sustainable Planet.
Sommario/riassunto	This book focuses on holistic approaches to sustainability in all sectors of building, infrastructure, and energy to achieve a best-balanced global energy, building, infrastructure, transportation, and water technology (EBITW) system using a series of innovative research and implementation solutions. The goal of this book is to define the context for proactive consideration of scientific theories and practical technical applications of sustainable development, following main seven themes: Renewable Energy Technology, Advanced Building Design Technology, Innovative Infrastructure and Transportation Engineering, Clean Water and Sanitation, Sustainable Urban and Rural Development, Clean Environment, and Sustainable Planet; which are very much interconnected to secure the global equilibrium. The book is prepared for a wide audience including researchers, field engineers, and students. Encompasses a broad, disciplinary perspective spanning multiple fields of applied science; Organizes chapters around distinct

sustainability challenges in multiple domains; Features analysis aimed at research scientists, professional engineer and planners, and students.