Record Nr. UNISA996201769103316 Smart & sustainable built environments [[electronic resource] /] / edited **Titolo** by J. Yang, P.S. Brandon, A.C. Sidwell Pubbl/distr/stampa Oxford;; Malden, MA,: Blackwell Pub., 2005 **ISBN** 1-281-32150-8 9786611321505 0-470-75949-6 0-470-75948-8 Edizione [1st ed.] Descrizione fisica 1 online resource (366 p.) Altri autori (Persone) YangJ (Jay) BrandonP. S (Peter S.) SidwellA, C Disciplina 720/.47 Soggetti Sustainable buildings Sustainable architecture **Ecological houses** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Smart & Sustainable Built Environments; Contents; Preface; Introduction - bridging the gaps in smart and sustainable built environments; PART 1 CREATING SMART AND SUSTAINABLE CITIES; 1 Smart sustainable office design - effective technological solutions, based on typology and case studies; 2 Sustainable building: perspectives for implementation in Latin America; 3 Demonstrating New Zealand's future residential buildings: 4 Smart and sustainable city – a case study from Hong Kong: 5 Evaluation of scenarios of a Southern-European intelligent city of the future PART 2 EMERGING TECHNOLOGIES AND TOOLS6 Building as power plant - BAPP; 7 Development of a self-contained micro-infrastructure appliance: 8 Concept for a DC-low voltage house: 9 Development of phase change thermal storage wallcoverings in buildings; 10 Investigating the energy efficiency of double-skin glass facades for an office building in Istanbul; 11 How to reduce energy-related greenhouse gas emissions in homes and offices in New Zealand; P

Sommario/riassunto

This book brings together a group of international specialists to explore the current state of the art and future potential for encouraging, developing and implementing smart and sustainable built environment strategies. It covers a broad spectrum of issues, ranging from technological advancement, through the assessment of past experiences, to communication and education requirements and future strategies...; provides a snapshot of current methods and technologies for developing smart and sustainable built environment strategies.; over 30 fully refereed chapters from international experts.; ad