

1. Record Nr.	UNINA9910299593903321
Autore	Feifer Lone
Titolo	Active House: Smart Nearly Zero Energy Buildings // by Lone Feifer, Marco Imperadori, Graziano Salvalai, Arianna Brambilla, Federica Brunone
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-90814-6
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (X, 138 p. 127 illus., 121 illus. in color.)
Collana	PoliMI SpringerBriefs, , 2282-2577
Disciplina	720.47
Soggetti	Sustainable architecture Building construction Sustainable development Buildings—Design and construction Building Construction Engineering, Architectural Energy consumption Sustainable Architecture/Green Buildings Building Physics, HVAC Sustainable Development Building Construction and Design Energy Efficiency
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	What is an Active House? A new vision beyond 2020 -- A new paradigm for holistic design: Active House prototypes at Politecnico di Milano -- A reflection on Active House in warm climates -- nZEB and AH: a case study for residential buildings in Northern Italy -- Relevant case studies: a benchmark for future design.
Sommario/riassunto	The book provides an overview of the Active House (AH) vision, intended as a building design method “beyond” the passive approach for buildings of the future that will be more and more connected, smart

and innovative. It offers a novel philosophical design approach in which buildings, new or renovated, are in balance with natural, renewable energies and become “concentrators-distributors” of energies instead of being consumers of resources. The book is composed of five chapters, providing information on fundamental aspects of innovations toward resource-efficient buildings, as well as case studies presenting the concept in practice. It demonstrates that a completely new design approach is possible, and that a turning point has been reached. Lastly, it shows how the AH Alliance, along with designers, institutions, industries and academies, is bringing a breath of fresh air to the world of construction.
