1. Record Nr. UNINA9910460149503321 **Titolo** The art of natural building: design, construction, resources / / editors, Joseph F. Kennedy, Michael G. Smith, Catherine Wanek Pubbl/distr/stampa Gabriola Island, BC:,: New Society Publishers,, [2015] ©2015 **ISBN** 1-55092-560-1 Edizione [Second edition.] Descrizione fisica 1 online resource (1147 p.) Books for wiser living Mother Earth news recommendation Collana Disciplina 728.047 Soggetti Architecture, Domestic - Environmental aspects Ecological houses - Design and construction Dwellings - Design and construction - Environmental aspects Building materials - Environmental aspects Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover; Title Page; Copyright; Contents; Foreword to the First Edition; Foreword to the Second Edition; Acknowledgments; Introduction: An Open Door; Part One: The Context for Natural Building; 1. The Case for Natural Building; 2. Natural Building: A Global Tradition; 3. The Importance of Housing Ourselves; 4. Natural Building and Social Justice; 5. Sustainability and Building Codes; 6. Can My Natural Home Get a LEED Rating?; 7. Life-Cycle Cost and Value of Four Houses; 8. In Defense of Craft; Part Two: Design and Planning; 9. Designing for Vitality; 10. The Healthy House 11. Eighteen Design Principles to Make Square Feet Work Harder12. Designing with the Sun; 13. Natural Building for Cold Climates; 14. Hybrid Homes: Combining Natural Materials for Energy Efficiency; 15. Remodeling with Natural Materials; 16. Siting a Natural Building; 17. The Permaculture House; 18. Complementary Systems for Energy-Efficient Homes; 19. Regenerative Building: An Ecological Approach; 20. Building the Natural Village: A Strategy for Repairing Cities; Part Three: Natural Building Materials and Techniques; 21. Natural Building

Materials: An Overview

22. Foundations for Natural Buildings23. Stone Masonry: 24. Adobe Building: 25. A Brief History of Cob Building: 26. Rammed Earth: From Pise to PISE: 27. Compressed Earth Blocks: 28. Building with Earthbags: 29. Digging in for Comfort; 30. Cordwood Masonry: An Overview; 31. Straw Bale Building: Lessons Learned; 32. Building with Hemp; 33. Light-Clay: An Introduction to German Clay Building Techniques; 34. Wattle and Daub; 35. The Evolution of Timber Framing; 36. The Art of Timber Framing; 37. Small-Diameter Roundwood: An Underused Building Material: 38. Bamboo Construction 39. Waste Not, Want Not: Building with Trash40. Earthships: An Ecocentric Model; 41. Papercrete: Homes from Waste Paper; 42. Roofs for Natural Building; 43. Green Roofs with Sod, Turf or Straw; 44. Thatching Comes to America; 45. Natural Insulation; 46. Rice Hulls for Insulation; 47. Earthen Floors; 48. Earth Plasters and Alis; 49. Working with Lime; 50. Natural Paints and Finishes; Part Four: Building the Global Village: 51. Shelter and Sustainable Development: 52. Sustainable Building as Appropriate Technology; 53. Woodless Construction in the Sahel 54. Straw Bales in China: Housing for the People55. Improving Vernacular Housing in Western China; 56. PAKSBAB: Seismically Safe Straw Bale Homes in Pakistan; 57. Earthen Building Comes to Thailand; 58. Natural Building Thrives in Argentina; 59. Builders Without Borders; 60. Ecovillages and Sustainable Communities; 61. Tlholego Village: A Sustainable Community in South Africa; 62. Building with Earth in Auroville; 63. Friland: Affordable Housing in Community; 64. Evolving a

Sommario/riassunto

<div>The original, complete, user-friendly introduction to natural building, now fully revised and updated</div>

Village Vernacular in Missouri; Index