1. Record Nr. UNINA9910818948803321 Autore Lennartz Marc Wilhelm Titolo New architecture in wood: forms and structures / / Marc Wilhelm Lennartz, Susanne Jacob-Freitag Pubbl/distr/stampa Basel, Switzerland:,: Birkhauser,, 2016 ©2016 **ISBN** 3-0356-0458-4 Descrizione fisica 1 recurso en linea (184 páginas): ilustraciones Disciplina 721.0448 Soggetti Building, Wooden - History - 21st century Architecture, Modern - 21st century Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Front matter -- Inhalt -- Preface -- Looking for the origins of modern Nota di contenuto timber construction -- WIPO conference hall, Geneva -- Elephant house, Zurich -- G3 Shopping Resort, Gerasdorf -- Warehouse, Philippsburg -- Railway operations centre, Laubenbachmühle --Organic supermarket, Windhof -- Casa Salute, Margreid -- Sports hall, Sargans -- Indoor rollerblade arena, Geisingen -- Acquaworld, Concorezzo -- Les Thermes, Strassen -- Multifunction stadium, Nice -- LCT One, Dornbirn, and IZM, Montafon -- Apartment building, Wagramer Straße, Vienna -- Canols staff hostel, Lenzerheide --Wälderhaus, Hamburg -- Woodcube, Hamburg -- c13, Berlin -- TM50, Nuremberg -- Wooden church, Eiterfeld-Unterrufhausen -- Overmeyer organic farm, Seevetal -- Viewing tower, Pyramidenkogel, Keutschach am See -- Wildlife overpass, Luckenwalde -- Airport expansion, Oslo -- Picture credits -- The authors -- Backmatter. Sommario/riassunto Timber: the old raw material and building material returns. There are many reasons today for building with wood and there are great advantages over conventional designs. Wood is not only a renewable building material that helps reduce the levels of CO2 and is hence good for climate change, but, due to modern computing and manufacturing

processes, it can also be used for a variety of construction tasks. Wood possesses excellent qualities for both construction and indoor climate

control, and can easily be combined with other common building materials. Based on 24 international projects, the book provides an overview of the range of possibilities in wood construction today. Texts, images, and plans document the architectural and constructive qualities of contemporary timber structures from the conceptual design to the structure in detail. The various uses are based on current research in modern timber engineering but also on timber construction expertise that has been developing over many centuries. This special discipline has evolved significantly in recent decades, particularly in Germany, Austria, and Switzerland, and is a world leader today.