1. Record Nr. UNINA9910813031403321

Titolo	Solar architecture : strategies, visions, concepts / / Christian Schittich (ed.)
Pubbl/distr/stampa	Munchen : , : Edition Detail Basel ; ; Boston : , : Birkhauser, , [2003] ©2003
ISBN	3-0346-1519-1
Descrizione fisica	1 online resource (178 p.)
Collana	In detail
Altri autori (Persone)	SchittichChristian
Disciplina	178
Soggetti	Architecture and solar radiation - Europe Architecture - Europe - History - 20th century
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.
Nota di contenuto	Frontmatter -- Contents -- Toward Solar Architecture / Schittich, Christian -- From Passive Utilization to Smart Solar Architecture / Hegger, Manfred -- Solar Technology - From Innovative Building Skin to Energy-Efficient Renovation / Krippner, Roland -- Solar Concepts for Building / Kuehn, Michael / Mattner, Dirk -- Utilizing Daylight / Müller , Helmut F.O. / Schuster, Heide G. -- Projects -- Passive-Energy Terraced Housing in Dornbirn -- Housing Estate in Kolding -- Passive-Energy Terraced Housing in Ulm -- Point Blocks in Innsbruck -- Lawyer's Practice in Röthis -- Sports Hall in Wängi -- Secondary School in Klaus -- Conference and Exhibition Building in Osnabrück -- Office Building in Solihull -- Administration Building in Recanati -- Administration Building in Landquart -- Administration Building in Würzburg -- Solar Factory in Brunswick -- Academy in Herne -- Conversion of Reichstag Building into German Bundestag in Berlin -- Glossar -- Bibliography -- Architects -- Authors -- Illustration credits
Sommario/riassunto	Advanced new technologies and sophisticated planning systems for architecture beyond the age of fossile fuels. In the very near future energy-efficient building will be the rule rather than the exception. Insulating glazing, multi-functional facades and organic solar cells are examples of important new developments in the

field of solar thermal technology, photo-voltaics, heating and ventilation technology which are suitable for a wide range of uses from large-scale urban-planning projects to individual single family houses, and can make significant contributions to the conservation of natural resources in sustainable building. Carefully selected articles provide information on planning methods and techniques which will enable the user to assess and apply appropriate measures. The essays are complemented by a selection of built examples which demonstrate innovative solutions and the importance of an integrated planning process in realized projects, complete with full plans and large scale details.