



A Green Vitruvius: Principles and Practice of Sustainable Architectural Design

By Vivienne Brophy, J. Owen Lewis

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Two thousand years ago the Roman architect Marcus Vitruvius Pollio wrote the ten books on architecture establishing the concept of the pattern book offering design principles and solutions that is still referred to in every architect's education. *A Green Vitruvius* is intended as a green pattern book for today. Now fully updated, this well established textbook provides advice suitable for undergraduate and post graduate students on the integration of sustainable practice into the design and construction process, the issues to be considered, the strategies to be adopted, the elements of green design and design evaluation within the process. Classic design elegance is found in the holistic clear solution.

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Editorial Review

Review

This second edition improves on an already exceptional resource for practitioners, students, and those interested in green design by taking us through beginning design stages of an integrated design process, primary issues to consider and the strategies and tools to implement them in design. It gives the professional community both historical data and forward-thinking information to guide and assess design. This book is essential to every designer's library. *Professor Alison G. Kwok, PhD, AIA*

The Second edition of *A Green Vitruvius* is a welcome and timely publication offered to practicing architects who wish to provide an exemplary service in designing and realising sustainable buildings and space. Eleven years since its first edition, this is an up-to-date architectural manual guiding its readers through process of design and construction, discussing issues and elements, strategies and evaluation tools for green design , planning and construction. The content is developed within broader context of the EU regulatory framework, the international commitments and response to climate change and need for rational use of energy resources and the international declarations by professional architectural bodies like the UIA and the Architects Council of Europe. The rich and well-illustrated reference material makes the publication relevant internationally and applicable by green-conscious architects' practices in different and place-specific contexts. The renewed edition of *A Green Vitruvius* is a valuable resource for practical application and continual professional development of architects. It resonates well with the voice of the Architects Council of Europe and its ambition to lead the architectural profession through an evolution and aspiration to assert itself as the integrative, holistic and leading force within complex developments of this time. Selma Harrington, ACE President

This second edition of *A Green Vitruvius* provides clear and concise introductions to all the key areas and issues of sustainable environmental design and will be particularly appreciated for its step-by-step guidance on each stage of the making of buildings, from inception to commissioning, operation and refurbishment. *Dr Simos Yannas, Architectural Association Graduate School, London*

About the Author

Vivienne Brophy is a Lecturer in Architectural Design and Technology in University College Dublin (UCD) and a Director of the UCD Energy Research Group. Vivienne's research and teaching focuses on supporting undergraduate and post graduate students, the architectural profession and the wider construction industry to meet the challenge for design teams today in delivering truly sustainable buildings. J Owen Lewis is Professor Emeritus of Architectural Science in University College Dublin (UCD) and currently Chief Executive of the Sustainable Energy Authority of Ireland (SEAI), Ireland's national energy authority. He was Director of the UCD Energy Research Group for over thirty years and has co-ordinated many European Commission energy research and dissemination activities and has lectured in most EU Member States on sustainable architectural design.

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