

Sustainable building planning from the outset

DETAIL
Green
Books



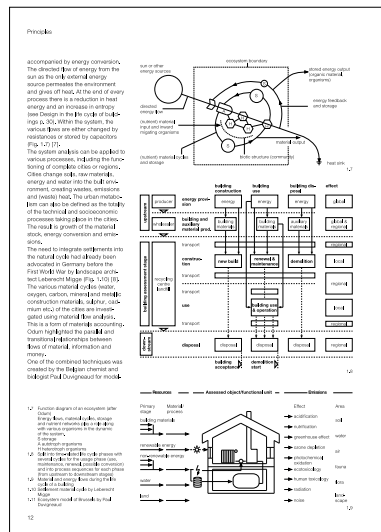
A life cycle approach to buildings

NEW August 2010
ISBN 978-3-920034-45-4

Holger König, Niklaus Kohler,
Johannes Kreibitz, Thomas Lützkendorf
144 pages with numerous
drawings and photos.
21 x 29.7 cm. Hardcover.

€ 59.90 / £ 49.90 / US\$ 79.50

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A compendium on an essential future topic
A building's entire life cycle – from construction through occupation, cycles of renovation and repairs, up to demolition and disposal, impacts the flow of materials thereby created.
The decisive path of a building's environmental impact is however usually set early in the planning phase, at a time when planners often still lack knowledge about the sustainability characteristics of different building materials and constructions. At the same time, the efficient handling of existing resources is decisive in sustainable construction and an intelligent selection of materials can yield unforeseen possibilities for exploiting hitherto neglected potential and for meeting the increasing demands in this area.
This book is designed to provide planners with the facts and arguments they need, but may often lack, to evaluate designs, materials and buildings.

- Environmental life cycle assessments of materials, construction elements and buildings
- Calculates and optimises life cycle costs
- Reference projects: life cycle analysis in practice
- Planning tools, databases and tips on calculations



NEW

**INNOVATIVE
DESIGN + CONSTRUCTION**

MANUFACTURING AND PLANNING SYNERGIES IN THE BUILDING PROCESS

Innovative Design + Construction

NEW April 2010
ISBN 978-3-920034-33-1

With contributions from Stefan Behling, Christian Breusing, Andreas Fuchs, Christoph Ingenhoven and others.
112 pages, with numerous drawings and photos.
23 x 29.7 cm. Paperback.

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Manufacturing and planning synergies in the building process
How is innovative architecture created? How can efficient synergies between planners and manufacturers be achieved? And how does an enterprise such as seele, with its proven high-level qualifications in the area of steel and glass, respond to planners' design ideas? These are just some of the questions answered in "Innovative Design + Construction", the new publication in the DETAIL Development series. Using prestigious international projects as examples, the book explains the working philosophy and approach of the seele company, which stands for innovation in construction and customised solutions using the materials of glass, steel, aluminium and membranes like few other companies. This publication focuses on describing the development and implementation processes a construction project entails. A dialogue with various parties involved in planning continues throughout the entire book in joint discussions and interviews, moderated by DETAIL, but also in comparisons of articles by various authors on the same topic.

- Description of the process chain, from design through manufacture up to installation
- Steel-glass constructions
- Element facades
- Membranes and foils
- All-glass constructions



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Inspiration and techniques of steel in construction

DETAIL
Development



The state of the art of steel in today's architecture
Steel is a distinctly versatile building material whose powers lie in wide-span constructions in the field of civil engineering as well as façade surfacing or of high-rise houses. Steel is very trendy. This can be seen not only with the growing number of skyscrapers in Asia; the material is also increasingly used in surface design. This publication about steel in construction is aimed at the promotion of steel as favoured construction and building material giving all necessary information to enable planners and decision makers to base their project conceptions and pre-design on steel solutions.

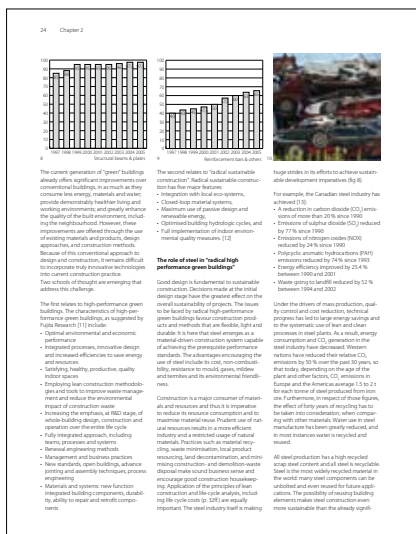
- Designing steel structures
- The basics of construction
- The 21st century paradigm – High Performance Green Buildings
- The economic benefits of steel in construction
- Steel products and fabrication

Featuring Steel

NEW December 2009
ISBN 978-3-920034-32-4

With contributions from Andrea Bruno, Bollinger + Grohmann Ingenieure, Michael Davies, Markus Feldmann, Federico Mazzolani, Gerard O'Sullivan, Francis Rambert, Alexander Reichel, Llewellyn van Wyk
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