

1. Record Nr.	UNINA9910957962103321
Autore	Lewis Helen
Titolo	Design + Environment : a Global Guide to Designing Greener Goods / / Helen Lewis
Pubbl/distr/stampa	Sheffield, : Greenleaf Pub., 2001 London : , : Taylor and Francis, , 2017
ISBN	1-351-28218-2 1-351-28219-0 1-351-28220-4 1-907643-24-9
Edizione	[First edition.]
Descrizione fisica	1 online resource (202 p.)
Altri autori (Persone)	GertsakisJohn GrantTim MorelliNicola SweatmanAndrew
Disciplina	658.5/752
Soggetti	Green products - Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front cover; About the authors; Copyright page; Contents; Foreword; Acknowledgements; Preface; 1. Introduction; 2. Managing ecodesign; 3. Environmental assessment tools; 4. Ecodesign strategies; 5. The ecology of products; 6. Packaging; 7. Textiles and clothing; 8. Furniture; 9. Electronic and electrical products; 10. Designing tomorrow today; references; abbreviations; Back Cover
Sommario/riassunto	"There is a huge scarcity of good, practical resources for designers and students interested in minimizing the environmental impacts of products. Design + Environment has been specifically written to address this paucity. The book first provides background information to help the reader understand how and why design for environment (DfE) has become so critical to design, with reference to some of the most influential writers, designers and companies in the field. Next, Design + Environment provides a step-by-step approach on how to approach DfE: to design a product that meets requirements for quality, cost, manufacturability and consumer appeal, while at the same time

minimising environmental impacts. The first step in the process is to undertake an assessment of environmental impacts, using life-cycle assessment (LCA) or one of the many simpler tools available to help the designer. From then on, DfE becomes an integral part of the normal design process, including the development of concepts, design of prototypes, final design and development of marketing strategies. Environmental assessment tools and strategies to reduce environmental impacts, such as the selection of appropriate materials, are then discussed. Next, some of the links between environmental problems, such as global warming, ozone depletion, water and air pollution and the everyday products we consume are considered. In order to design products with minimal environmental impact, we need to have a basic understanding of these impacts and the interactions between them. The four subsequent chapters provide more detailed strategies and case studies for particular product groups: packaging, textiles, furniture, and electrical and electronic products. Guidelines are provided for each of the critical stages of a product's life, from the selection of raw materials through to strategies for recovery and recycling. Finally, Design + Environment takes a look at some of the emerging trends in DfE that are offering us the opportunity to make a more significant reduction in environmental impacts. Both the development of more sustainable materials and technologies and the growing interest in leasing rather than selling products are examined. Design + Environment is organized as a workbook rather than an academic text. It should be read once, and then used as a key reference source. This clear and informative book will prove to be invaluable to practising designers, to course directors and their students in need of a core teaching and reference text and to all those interested in learning about the tools and trends influencing green product design. The authors have all been involved in an innovative demonstration programme called "EcoReDesign", which was developed by the Centre for Design at RMIT University with funding from the Australian government. The Centre successfully collaborated with Australian companies to improve the environmental performance of their products by following DfE principles."--Provided by publisher.
