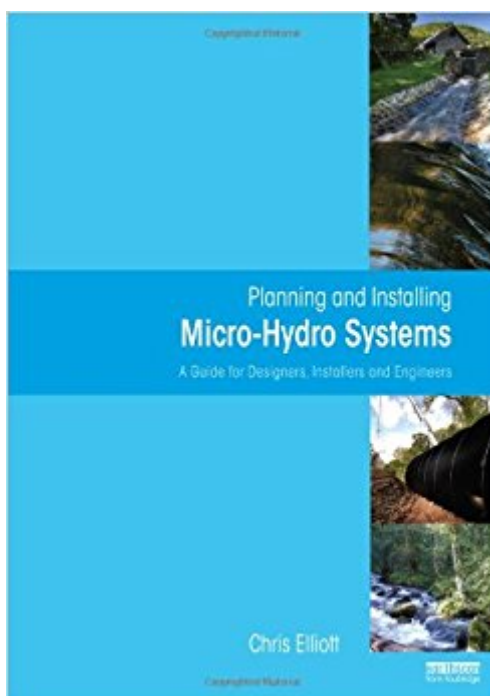


The book was found

# Planning And Installing Micro-Hydro Systems: A Guide For Designers, Installers And Engineers



## Synopsis

An essential addition to the Earthscan Planning & Installing series, *Planning and Installing Micro-Hydro Systems* provides vital diagrams, pictures and tables detailing the planning and installing of a micro-hydro system, including information on the maintenance and economics once an installation is running. The book covers subjects such as measuring head and flow, ecological impacts, scheme layouts, practical advice, calculations and turbine choice. Archimedes screws are also covered in detail, as well as the main conventional choices relevant to small sites. Micro-hydro refers to hydropower systems with a power rating of 100kW or less. A 100kW system will produce 100 standard units of electricity in one hour. These systems have been popular in some sparsely populated or mountainous countries for a number of years, but now new technology, less stringent regulation of grid connected generators and standardised turbine designs are encouraging more widespread interest in micro-hydro in the developed world. The renewable energy sector is growing at a remarkable rate, and whilst much attention has so far focused on solar and wind technologies, Europe and elsewhere have great potential for generating power from small scale hydroelectric installations. This book is aimed at site owners, designers and consultants who are looking to develop schemes in the micro-hydro scale – 5 to 100kW – although the concepts are applicable to smaller and larger schemes.

## Book Information

Series: Planning and Installing

Hardcover: 256 pages

Publisher: Routledge; 1 edition (July 9, 2014)

Language: English

ISBN-10: 1844075389

ISBN-13: 978-1844075386

Product Dimensions: 11.9 x 9.8 x 1.3 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,657,536 in Books (See Top 100 in Books) #52 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Hydroelectric #1926 in Books > Textbooks > Engineering > Environmental Engineering #7760 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental

## Customer Reviews

Chris Elliott is a Chartered Mechanical Engineer and has many years' experience in small hydro in the UK, and set up WRE in 2005, later taken over by Renewables First. He has designed and installed dozens of schemes in this time across a range of sizes and technologies.

[Download to continue reading...](#)

Planning and Installing Micro-Hydro Systems: A Guide for Designers, Installers and Engineers  
Planning and Installing Solar Thermal Systems: A Guide for Installers, Architects and Engineers The  
Micro-Hydro Pelton Turbine Manual: Design, Manufacture and Installation for Small-Scale  
Hydro-Power Designing and Building Mini and Micro Hydro Power Schemes: A Practical Guide  
Micro-Hydro Design Manual: A Guide to Small-Scale Water Power Schemes Motors as Generators  
for Micro-Hydro Power Micro Irrigation Management: Technological Advances and Their  
Applications (Innovations and Challenges in Micro Irrigation) ECON MICRO (with ECON MICRO  
Online, 1 term (6 months) Printed Access Card) (New, Engaging Titles from 4LTR Press) Grid  
Systems in Graphic Design: A Visual Communication Manual for Graphic Designers, Typographers  
and Three Dimensional Designers (German and English Edition) The Truth About Solar Panels: The  
Book That Solar Manufacturers, Vendors, Installers And DIY Scammers Don't Want You To Read  
Introduction to Hydro Energy Systems: Basics, Technology and Operation (Green Energy and  
Technology) Hydro Plant Electrical Systems Solar Electricity Handbook: 2017 Edition: A simple,  
practical guide to solar energy ? designing and installing solar photovoltaic systems. Solar Electricity  
Handbook - 2015 Edition: A simple, practical guide to solar energy - designing and installing solar  
PV systems. Solar Electricity Handbook - 2013 Edition: A Simple Practical Guide to Solar Energy -  
Designing and Installing Photovoltaic Solar Electric Systems Solar Electricity Handbook - 2014  
Edition: A Simple Practical Guide to Solar Energy - Designing and Installing Photovoltaic Solar  
Electric Systems Solar Electricity Handbook - 2012 Edition: A Simple Practical Guide to Solar  
Energy - Designing and Installing Photovoltaic Solar Electric Systems Printreading for Installing and  
Troubleshooting Electrical Systems Fabrics: A Guide for Interior Designers and Architects (Norton  
Professional Books for Architects & Designers) Thinking with Type: A Primer for Designers: A  
Critical Guide for Designers, Writers, Editors, & Students

[Contact Us](#)

[DMCA](#)

[Privacy](#)

