

A guide to energy management in buildings

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Abstrak

Inefficient energy use in buildings is both increasingly expensive and unsustainable. Indeed, the reduction of the energy consumption of existing buildings is as least as important as the design of new low-energy buildings. Controlling energy use is one thing, but it is important to assess or estimate it, and to understand the range of interventions for reducing its use and the methods for assessing the cost effectiveness of these measures. This comprehensive guide clearly and concisely covers the various issues from a theoretical standpoint and provides practical, worked examples where appropriate, along with examples of how the calculations are carried out. Topics covered include: where and how energy is used in buildings energy audits measuring and monitoring energy use techniques for reducing energy use in buildings legislative issues. It provides a template for instigating the energy management process within an organization, as well as guidance on management issues such as employee motivation, and gives practical details on how to carry it through. This book should appeal to building managers and facilities managers and also to students of energy management modules in FE and HE courses.