

## CONTENT

	Page
Foreword	xiii
Introduction	xv
1. International energy management	1
2. Energy conservation and the European Communities' energy policy	27
3. Technologies related to new energy sources	41
4. Energy conservation and energy demand and supply in the UK	97
5. US energy needs : the writing on the wall	109
6. The rational use of gas energy	123
7. Coal utilization	139
8. Research on energy conservation in houses carried out by the Electricity Council Research Centre	181
9. Energy recovery from refuse and pollution control	193
10. Air-to-air heat recovery	217
11. Energy conservation : Its influence on future building design	283
12. Designing for energy conservation : the way forward	289
13. Energy and building at the centre for alternative Technology	309
14. The insulation of houses : its impact on heating and ventilation design	337
15. Insulation and condensation problems	351
16. Thermal insulation and fire	363
17. Thermal insulating blockwork	381
18. Cellulose fibre insulation in the USA and its application in the UK	393
19. Foamed phenolic thermal insulation materials	415
20. Foamed polyurethane insulation	437
21. Foamed glass thermal insulation materials	463
22. The thermal insulation of roofs	559
23. Case study : energy conservation and solar energy developments in Australia	613
24. Case study : houses for people to build	635
25. The architect in energy conservation : a case study of a Cambridge College	659
26. New Perspectives for kinetic energy storage	689
27. Index of manufacturers and suppliers of heating, cooling and thermal insulation Products In the UK	699
Author Index	755
Subject Index	757