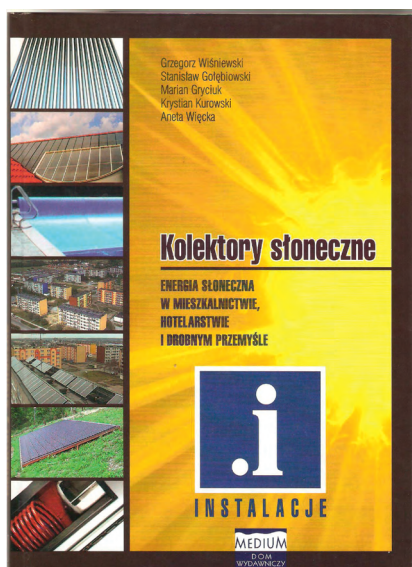


Solar collectors. Solar energy in the residential, hospitality and small industry
 Grzegorz Wiśniewski, Stanisław Gołębiowski, Marian Gryciuk, Krystian Kurowski,
 Aneta Więcka (eds.), Dom Wydawniczy Medium, Warsaw 2008, 201 p.



The book is a compendium of knowledge about solar energy, at a time when, according to the recommendations of the European Union, contribution made by renewable energy sources in the Polish energy market should grow rapidly. Motivating factor for the development of RES can also be found in grants and continuous increase in the prices of traditional fossil fuels. The book was initiated by Polish specialists in the field of renewable energy sources. Its purpose is to bring a wide range of viewers, from passionate people to investors, both basic knowledge about solar energy and practical knowledge related to the purchase, installation and operation of solar collectors.

In terms of the content, the publication is very broad. In the first chapter the authors discuss the solar radiation and solar energy resources in Poland. Then they present the design, specifications and principle of operation of the solar collectors. They discuss the vacuum and flat solar collectors for water heating and solar air heating. In the third chapter there is a description of the installation of solar collectors for domestic hot water in buildings and multi-family residences, public buildings, hotels, campsites, swimming pools. It also discusses the use of solar energy in small industry, food processing and for heating energy and passive houses. In the fourth chapter, the authors characterize the properties of the working medium, and describe the installations for water heating, KOMBI type installations for domestic hot water heater, heating of spaces and large-size installations. Then they discuss the use of air installations of solar panels.

In the sixth chapter they present the conditions for the purchase of solar panels and solar systems and describe the guidelines for their proper use. Then they discuss the mandatory and voluntary certification and present a detailed study, which is subjected to solar panels. In the eighth chapter the economics of the use of solar collectors is presented. Then the possibility of financial support to investors building solar plants is discussed. In the last, tenth chapter there were examples of installation of solar collectors.

In my opinion the book “Solar collectors. Solar energy in the residential, hospitality and small industry” is the result of work performed reliably by the authors. Such a large level of knowledge contained here makes this item applicable for anyone. It can therefore be concluded that the goal of providing both theoretical as well as practical knowledge for solar collectors has been achieved.

Małgorzata Piaskowska-Silarska