

SOLAR WATER HEATING – TECHNICAL GUIDELINES



Duration	18 hours
Dates	Mondays and Thursdays.
Starting Time	16 th March, 2009 1700 - 2000
Venue	University Residence, Hal Lija
Course Fee	€ 150
Registration Deadline	11 th March 2009

Introduction

The third run of the evening training course on solar water heating technologies is highly relevant in view of Government's policy to promote solar water heating and to ensure quality of installations.

Training Objectives

The objective of this course is to provide interested applicants with the knowledge needed to make optimum use of the sun's energy for their everyday heating needs and to make an informed choice of any solar system. This course will also highlight the benefits, issues and limitations of solar water heaters in the local context.

Target Audience

- System designers and installers;
- Engineers and Architects involved in the building services sector;
- Salespersons in the field of solar systems;
- Environmental educators and students, as well as
- Persons interested in solar heating systems.

Course Outline

1. The solar resource potential in Malta;
2. Solar collector types and components;

3. Solar water heater (SWH) applications;
4. SWH Systems 1;
5. SWH Systems 2;
6. Economics and social benefits of solar water heaters.

Lecturers

The Institute for Energy Technology, University of Malta focuses on research, analysis and applications in the field of energy. Renewable energy sources and energy use in buildings are targeted with the aim of reducing our dependence on fossil fuels.

Dr. Mario Fsadni, Ing. Robert Farrugia and Eur. Ing. Charles Yousif have been at the institute for more than 10 years, focusing on specific different research areas. Their results have been published in local and international conferences and journals. Solar thermal applications are a common area of interest. The proposed course on solar water heating is part of a long-term plan aiming at the widespread application of solar heating systems.