

Master Thesis Brief Description

Thesis Title	Energy Analysis of a Solar Thermal System for Space Heating
Programme of Studies	MSc in Energy Systems and the Built Environment
Course	MES 580 Master Thesis
Area of Study	Sustainable Built Environment – Solar Thermal Systems Analysis
Student's Name	Stavros Skais
Students Reg. Number	7999
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Supervisory Committee	Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department Dr. Byron Ioannou, Ass. Professor, Architectural Department
Semester	Fall Semester 2017
Short Description	The purpose of this study is to examine the performance of a solar thermal system, designed and developed to cover the heating requirements of the built environment. In terms of this study a 5 kW system was monitored over a period of 3 months, to define its performance parameters and to identify the crucial aspects of its operation. The system was also simulated with the use of TSol software, for the projection of the energy performance of the system over the entire year.