

Senior Thesis Brief Description

Thesis Title	Quantity surveying aspects of zero energy dwellings
Programme of Studies	BSc in Quantity Surveying, Frederick University, Cyprus
Course	ASSP 450 Senior Project
Area of Study	Computational Building Physics - Whole Building Energy Analysis
Student's Name	Marios Georgiou
Students Reg. Number	6535
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. George Papadopoulos, V. Lecturer, Civil Engineering Department
Semester	Spring Semester 2015
Short Description	Zero energy buildings consist a challenge for the young engineers. By 2020 all new buildings should fulfil conditions of nearly zero energy consumption. This study investigated the quantity surveying aspects of transforming a building to a nearly zero energy one. The required buildings materials and technologies were identified. A case study consisting the upgrade of an existing building to a zero energy one was identified and the required sources were defined.