

Senior Thesis Brief Description

Thesis Title	The cost of achieving energy efficient performance of large constructions
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	Stylianos Mesimeris
Students Reg. Number	4129
Supervisor	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
Supervisory Committee	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. Skevi Perdikou, Lecturer, Civil Engineering Department
Semester	Spring Semester 2014
Short Description	<p>The aim of this project was the definition of the cost related to materials and infrastructures used in large newly built constructions towards accomplishing their efficient energy performance. The subject of this thesis was the newly built Intercontinental Hotel in Qatar. The main objectives of the thesis were:</p> <ul style="list-style-type: none">▪ The identification of construction solutions and appropriate building services for efficient buildings' energy performance▪ The costing of these solutions and the definition of their environmental and financial performance▪ The drawing of useful conclusions and relations between quantity surveying and energy efficiency related materials and products in buildings.