

## Senior Thesis Brief Description

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<b>Thesis Title</b>	<b>Quantity Surveying Aspects of Hotel Renovation towards zero energy consumption</b>
<b>Programme of Studies</b>	BSc in Quantity Surveying, Frederick University, Cyprus
<b>Course</b>	ASSP 450 Senior Project
<b>Area of Study</b>	Computational Building Physics - Whole Building Energy Analysis
<b>Student's Name</b>	Constantinos Ellinas
<b>Students Reg. Number</b>	5926
<b>Supervisor</b>	Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department
<b>Supervisory Committee</b>	Dr. Christakis Onisiphorou, Lecturer, Civil Engineering Department Dr. Skevi Perdikou, Lecturer, Civil Engineering Department
<b>Semester</b>	Spring Semester 2016
<b>Short Description</b>	The purpose of this study was to deliver the required measurements as well as to implement relevant case studies towards upgrading the energy performance of a hotel to a zero energy building. The subject of investigation was the Amathus Hotel in Paphos, Cyprus which was recently renovated. Viable scenarios of zeroing the energy performance of the building were analysed. The required materials as well as the quantities and the cost was identified. Different alternatives were also discussed and delivered.