

Master Thesis Brief Description

Thesis Title	Energy Management Practices in Office Buildings Develop a comprehensive energy management system for an office building Law Firm “Stelios Americanos & Co LLC “
Programme of Studies	MSc in Sustainable Energy Systems
Course	SES 701 Maser Thesis I + II
Area of Study	Computational Building Physics – Whole Building Energy Analysis
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Supervisory Committee	Dr. Efrosyni Giama, V. Lecturer, Aristotle University Thessaloniki, Greece Dr. Constantinos Hadjiyiannis, V. Lecturer, Frederick University
Semester	Spring Semester 2020
Short Description	Energy Management constitutes one of the main areas of sustainable energy practices. Especially in the building sector, energy management constitutes a significant operation which may assist an organisation to reduce the required sources, financial and natural, to satisfy its needs. A series of standards, as well as of directives, has been recently developed concerning the performance of energy audits and management of the built environment. The purpose of the study is to implement the analysis of the energy performance by means of energy management system and a comprehensive energy management system will be developed for the investigated case. Specifically, an energy management system (EnMS) is a systematic process for continually improving energy performance and maximizing energy savings. Its main purpose is to engage and encourage staff at all levels of an organization to manage energy use on an everyday basis and it involves all levels and functions of the company and requires the commitment of top management.