

Master Thesis Brief Description

Thesis Title	Natural Gas use for buildings energy requirements: A Case Study for Cyprus
Programme of Studies	BSc in Mechanical Engineering, Stream Oil and Gas, Frederick University
Course	ASOG 405 Senior Project
Area of Study	Sustainable Energy Technologies – Biomass assessment
Student's Name	Theofanis Makri
Students Reg. Number	10099
Supervisor	Dr.-Ing. Paris A. Fokaides, Asst. Professor, Mechanical Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Assoc. Professor, Mechanical Engineering Department
Semester	Spring Semester 2019
Short Description	This study aims to examine the use of natural gas in the residential sector for heating and cooking purposes. The study refers to other countries, focusing on the case study of Greece, where natural gas is transmitted into the building sector. The standards and regulations for integrating natural gas network into buildings is examined. The study concludes with a case study in Cyprus, in which the comprehensive design of the natural gas network in the building is implemented and elaborated.