

Master Thesis Brief Description

Thesis Title	Natural Gas Transmission System: 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	Constantinos Panagi
Students Reg. Number	10041
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	The purpose of this study is to examine the main aspects of the design and commissioning of the natural gas transmission system in Cyprus, as it will be implemented through the implementation of the EU recovery fund in 2021. The study examines the existing design of the network delivered by the Cypriot Natural Gas Company (DEFA), and proposes the sizing of the network, based on the demand of the industrial sector, as well as by introducing compressing stations, an element which currently is not considered in the existing design of the natural gas network of Cyprus.