

Master Thesis Brief Description

Thesis Title	Simulation of the Performance of Heat Exchangers for the Oil and Gas Industry
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
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Students Reg. Number	9883
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 present and analyse the performance of heat exchangers, employed in the oil and gas industry. In the study the main types of heat exchangers used in the oil and gas industry are presented. With the use of Aspen Plus, the comprehensive design and analysis of the performance of a heat exchanger is presented.