

Master Thesis Brief Description

Thesis Title	Floating Storage and Regasification Unit
Programme of Studies	MSc in Sustainable Energy Systems
Course	MES 580 Master Thesis
Area of Study	Process Engineering
Student's Name	Antonis Shiamptanis
Students Reg. Number	9885
Supervisor	Dr.-Ing. Paris A. Fokaides, Ass. Professor, Mechanical Engineering Department
Supervisory Committee	Dr Chris Christodoulou, Professor, Mechanical Engineering Department Dr. George Karagiorgis, Professor, Mechanical Engineering Department
Semester	Fall Semester 2020
Short Description	The project aimed to describe the structure, properties, capacity, and usage of liquefied natural gas (LNG) storage spaces and vaporization processes. The plan involved identifying relevant bibliography sources and manufacturing companies associated with these expensive constructions. Various types of data and collection methods were employed to address the research questions effectively. Presently, FSRU (Floating Storage Regasification Unit) storage spaces are categorized into two types: Moss and Membrane tanks. These well-insulated tanks are designed to withstand extremely low temperatures, approaching absolute zero. The study compared and contrasted these tank types to determine their suitability for Cyprus.