





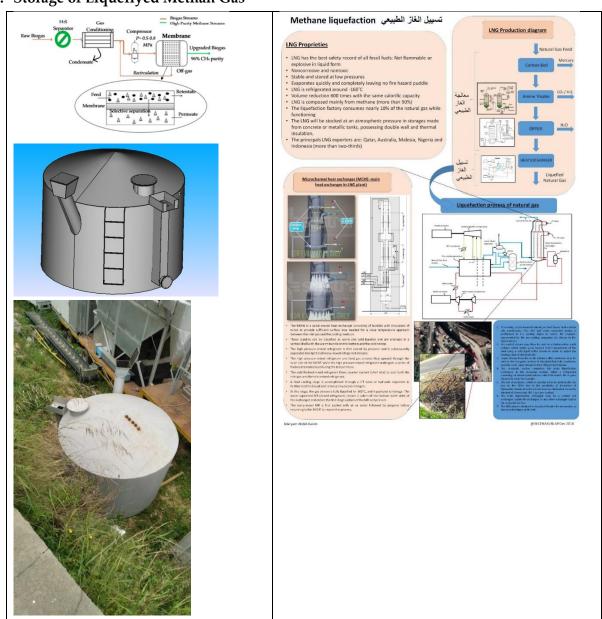
Ras Maska/Tripoli, 01.05.23

Tasks for Master 2 Trainees in Energetics Physics/Chemical Engineering 8.5.23 – 15.10.23

Task1: Liquefication and Storage of Biogas (Methane)

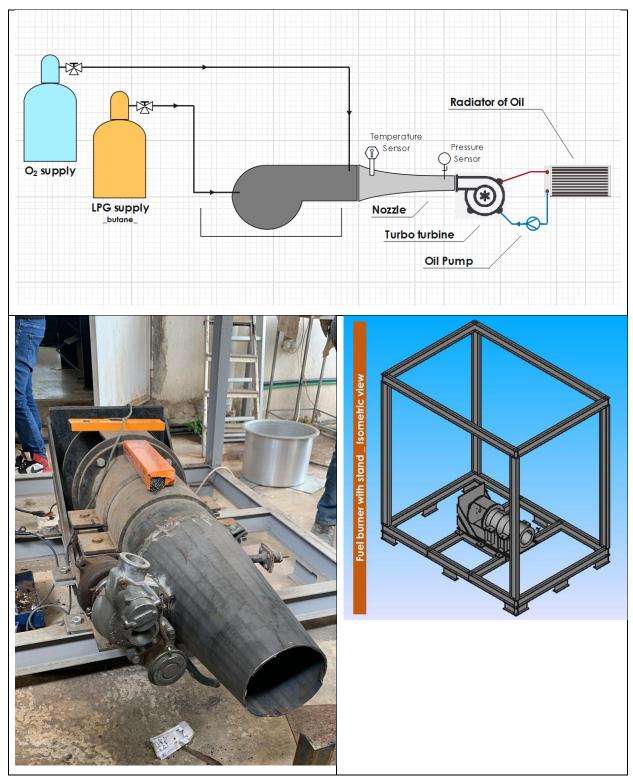
For the Biogas Test system at Ras Maska. Design and Realization of:

- A. Filter system for Biogas Fermenter to get pure Methan gas
- **B.** Liquefication Unit
- C. Storage of Liquefiyed Methan Gas



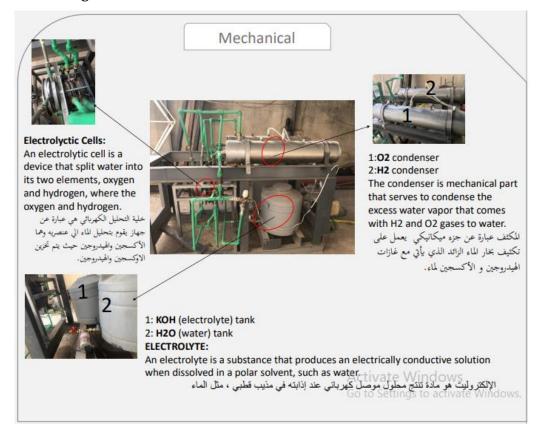
Task 2: Gas Turbine Test Rig with LPG/Methane

- Completing Realization
- Testing and Documentation



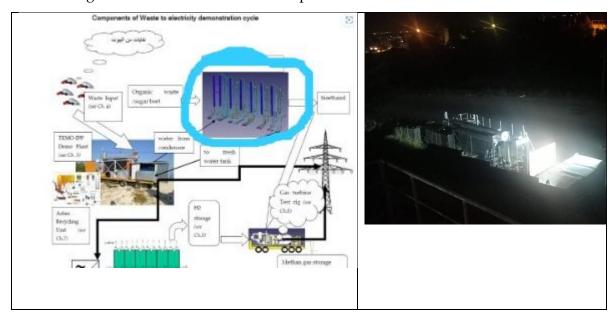
Task 3: Longterm Storage System for Photovoltaics based on Water Electrolysis

- Completing Realization
- Testing and Documentation



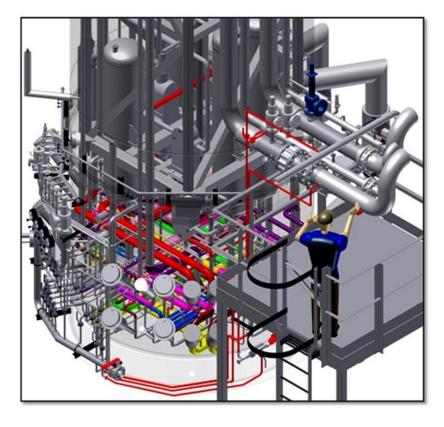
Task 4: Design of a mobile Desalination Plant for Integration at Mobile Incineration power plant

The cooling of the condensor of NLAP-IPP plant shall be combined with desalination



Task 5: Design of a Helium liquefier





Attendance, Meetings, Documentation

- Daily Work 9-15
- Daily Meeting: 9-9.15
- يدفع بدل الطريق لمن له حاجة لذلك

For further questions:

 $\label{eq:center} \mbox{Dr. Samir Mourad, $AECENAR$ Director \& CEO of North Lebanon Alternative Power Plant}$

AECENAR, www.aecenar.com

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