



AECENAR

Association for Economical and Technological Cooperation
in the Euro-Asian and North-African Region

www.aecenar.com



طاقة الشمال

North Lebanon Alternative Power

www.nlap-lb.com



Discipline

Mechanical Engineering

Master Thesis proposal

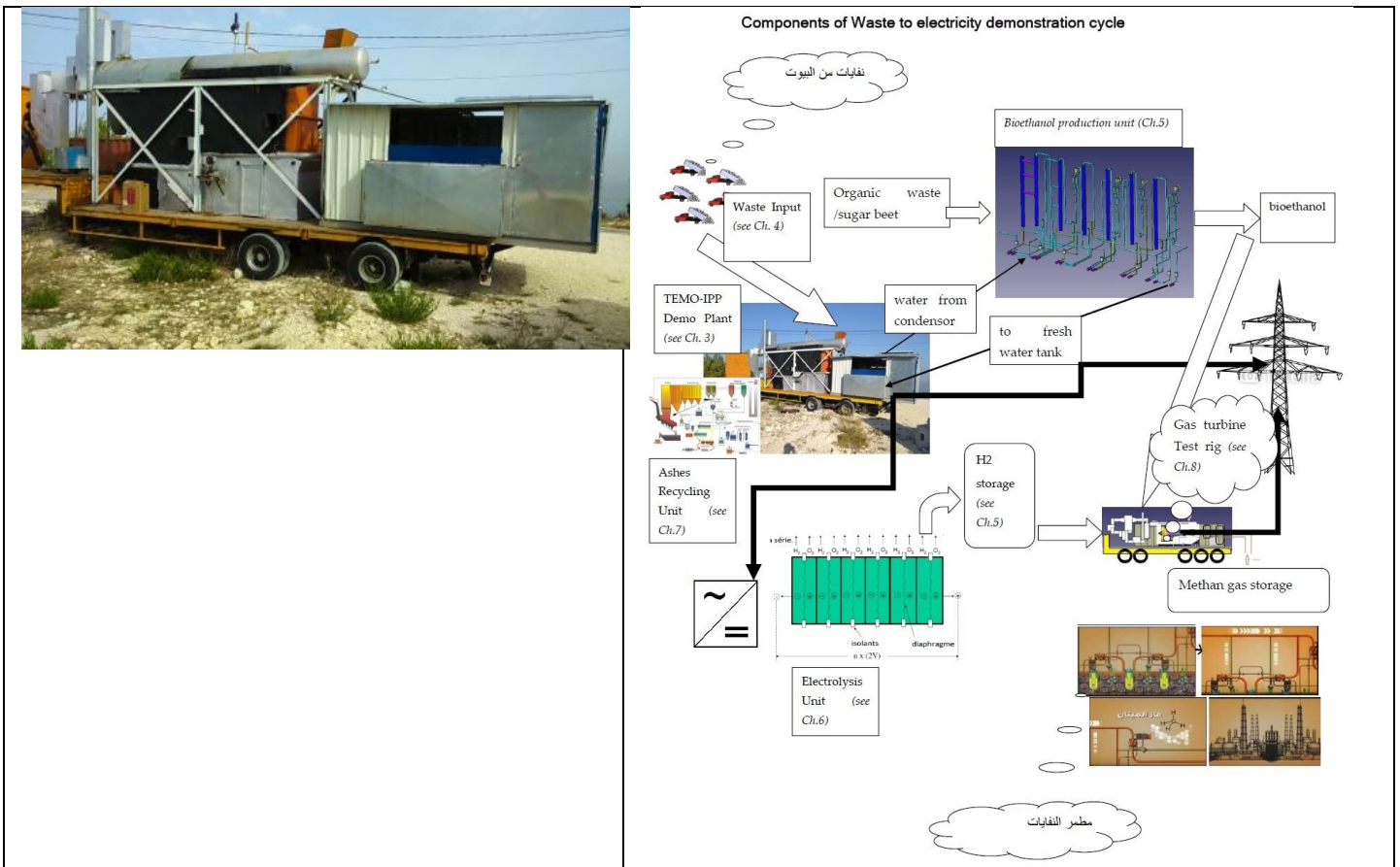
Laboratory name: AECENAR

Laboratory website: <http://www.aecenar.com>

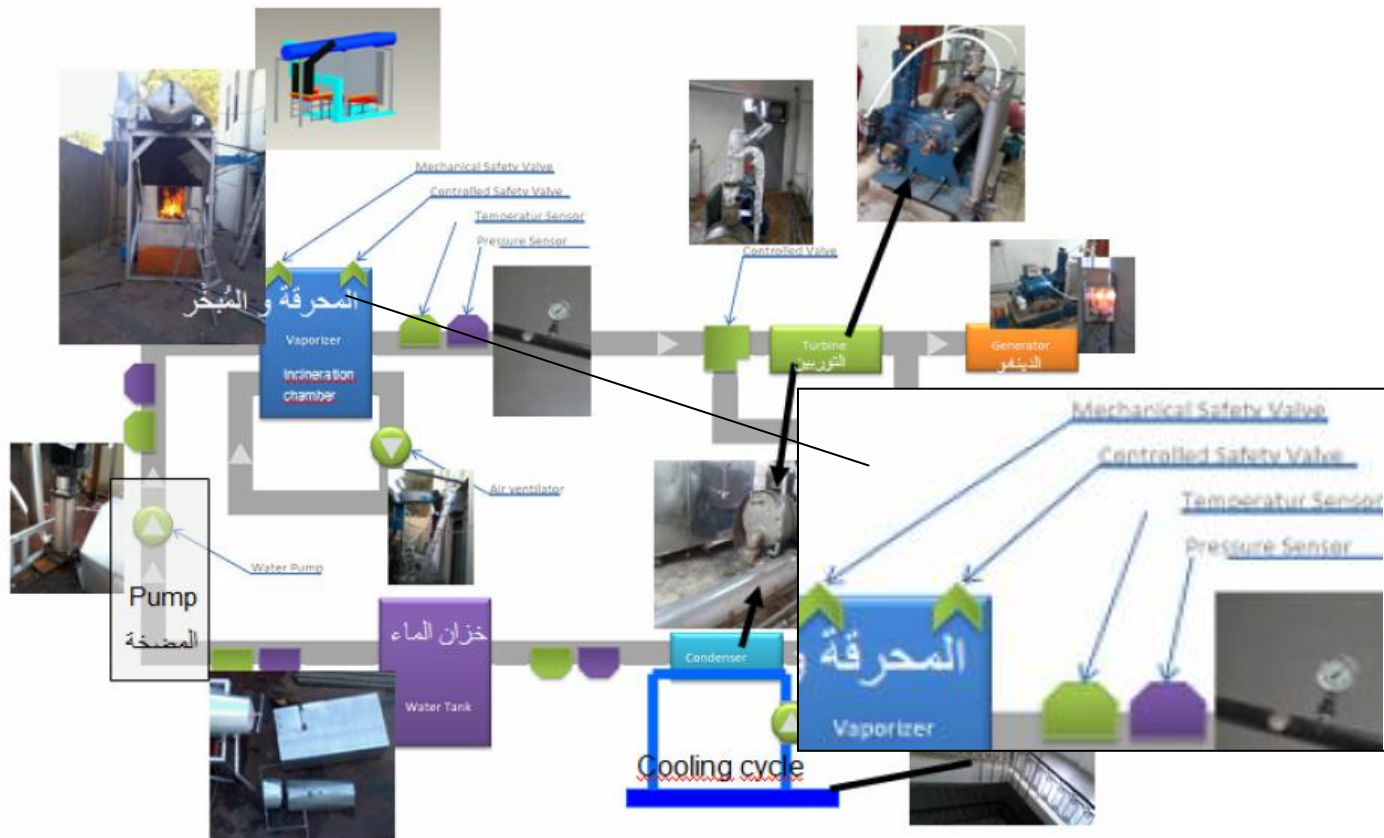
Supervisor (contact person)

Dr. Samir Mourad, samir.mourad@aecenar.com, Mob. +961 76 341 526

Ras Masqa/Tripoli, 09.10.2018



Components of Waste to electricity demonstration cycle



To be able to develop a control system for the already constructed incineration pilot plant a laboratory mechanical model of the power plant with all material transportation cycles (waste cycle, closed water-steam cycle, cooling cycle, sewerage cycle) has to be installed with the appropriate sensors/actuators (valves, pumps, ventilators).

The task of the master thesis project is:

- installing the lab model
- documentation of the mechanical laboratory model with all appropriate sensors and actuators (from suppliers)