بسم الله الرحمن الرحيم

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

الجامعة اللبنانية

Discipline

Energetic physics/ Mechanical Engineering / Alternative Energy

Master Thesis proposal

Laboratory name: AECENAR
Laboratory website: http://www.aecenar.com

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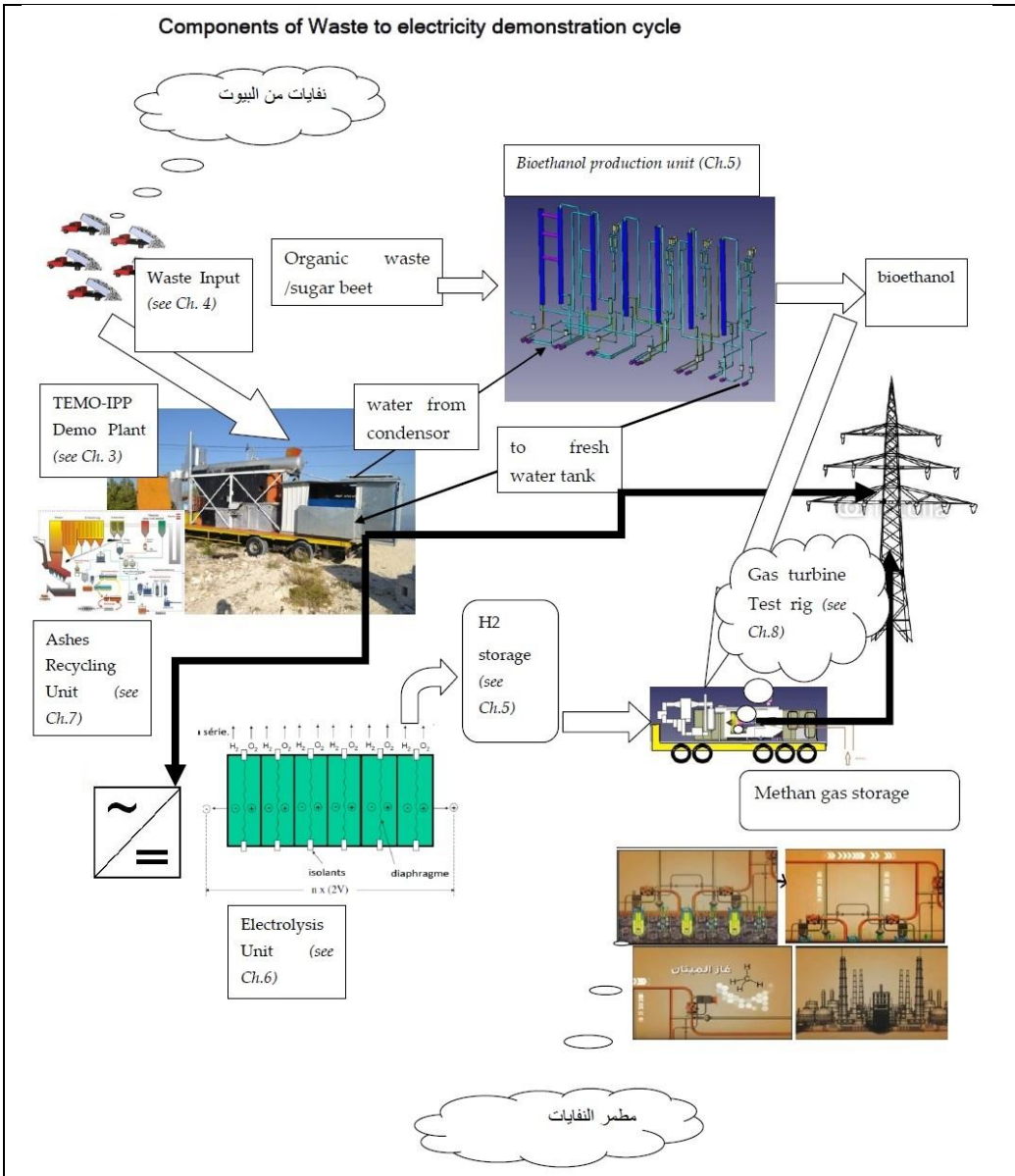
Ras Masqa/Tripoli, 21.02.2018



Thesis title:
Development of a Electroysis Unit for a combination power plant (NLAP-WEDC)

Working packages:

- Electrolysis unit design (CAD)
- electrolysis(vacum pump installation with storage tank) (calculation+construction)
- manufactoring/integration of electrolysis unit
- storage tank h2 and o2 (calculation + construction)
- design and manufactoring of storage tanks (hydrogen, oxygen)
- test
- documentation + presentation preparing

Key Words: alternative energy, FreeCAD / AutoCAD, electrolysis, CAM (Computer Aided Manufactoring)