

I. Central Energy Committee

https://aast.edu/en/colleges/coe/alex/contenttemp.php?page_id=300086

Central Energy Committee is responsible of discussing the energy problem all over the AASTMT has been established. Different technical studies have been made in association with the energy research unit and some of them has been implemented such as:

- Using LED lighting technology, and hence the led lighting has been used in 7th engineering building and will be spread for the other building.
- On grid Photovoltaic (PV) to share in supplying the 7th engineering building, which can deliver about 100kw by covering the whole roof by PV.
- Remote monitoring of the electrical loads in order to assign the priority of the project to be studied.
- Working in Tempus project and one of the project objective is to develop a center of excellence in energy in AASTMT. Moreover, develop a master program in energy which is currently prepared for accreditation phase.
- A study for using solar heater in hotels is reviewed.
- Different studies have been carried out to review suggested proposals related to energy saving from AASTMT brandies Cairo, smart Village, Aswan, etc.
- Share in preparing the study and curriculum of electrical and energy department in smart Village.
- Prepare a workshop about energy problem and solution with Maritime Research and Consultation center.
- Committee Decision .

[../..../openfiles/opencmsfiles/pdf retrieve cms.php?disp unit=3/7-2-001.pdf](https://aast.edu/en/colleges/coe/alex/contenttemp.php?page_id=300086)

- Updating building B photos

[../..../openfiles/opencmsfiles/pdf retrieve cms.php?disp unit=3/7-2-004-1.pdf](https://aast.edu/en/colleges/coe/alex/contenttemp.php?page_id=300086)

- Building G photos

[../..../openfiles/opencmsfiles/pdf retrieve cms.php?disp unit=3/7-2-004-2.pdf](https://aast.edu/en/colleges/coe/alex/contenttemp.php?page_id=300086)

- Planning meetings to reduce loads

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/7-2-004-3.pdf

- Air quality monitor photos

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/7-2-005.pdf

- Smart meters, energy consumption in buildings is monitored to help in the energy conservation plan

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/7-2-007.pdf

- Total energy used GJ and area m2

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/7-3-001.pdf

- The Arab Academy provides technical support to Damietta Container and cargo Handling Co.

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/domiata.pdf

- Policy of Energy Management and Environment

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/policy%20letter.pdf

- Aswan PV station photo

../openfiles/opencmsfiles/pdf_retrieve cms.php?disp unit=3/aswan%20ph.docx

II. Energy Research Units activities towards Affordable and Clean Energy

https://aast.edu/en/research/contenttemp.php?page_id=47300111

The **Energy Research Unit** was established on February 18, 2014, at the College of Engineering in Abi Qir, to collaborate with the energy committee to provide solutions appropriate to the nature of the applicant, whether at the academy's level in all its branches or through its role in community service.

- Air quality monitor
- Energy Committee - Policy Letter
- Energy committee meeting
- Energy Committee
- Establishing Energy Monitoring and analysis system
- Lighting Replacement Plan for building and street
- Lighting Replacement Plan Committee Meetings Reports
- Lighting Replacement Modernization of air-conditioners
- Mailing between AAST and some companies
- Planning meetings to reduce overall energy consumption
- policy letter
- Policy of Energy Management and Environment
- Schneider smart meters monitoring system
- Total energy used
- University floor space
- Upgrading of distribution panel in Alexandria campus