Research

Energy research at the university is conducted through the Energy research center at faculty of Engineering. This center implements projects that are national and international based on partnerships with other universities and organizations. During 2021, the Energy research center

- Has established new partnership for clean energy funded by the EU commission, titled: lternative energy and renewable resources for public and residential building in Abasan Al-Kabira (SUNBUILDING)
- continued its operations in 2021. The center has implemented the following projects: Generating electricity from sea waves to solve the electricity problem in the Gaza Strip, which is currently under implementation with fund from OXFAM.
- IUG continue running a project titled "Alleviating the Impacts of Gaza's Energy Crisis on Population's Well-being through Sustainable Electricity Generating Technology' in partnership with University of Birmingham (UK) and local schools. Funded by The British Academy

Education

IUG through faculty of Engineering provides electrical engineering bachelor program. Within this program, new provision of training courses students, based on maker-type organized practical courses where students create own projects in renewable energy technologies.

Accredited diploma in energy efficient building: IUG offers Accredited Diploma in energy efficient buildings for wider community and workers in the field of Energy.

Operations

Dependance on Solar systems for electricity

- IUG continues with its strategy towards using solar energy for lightning and power consumption. During 2021, many solar systems have already been installed on many buildings roof inside the university such as Administration Building, Central Library, teaching halls buildings and others. The total generated energy per day is 2,900.62 kWh. The energy amount produced by the solar system represents 43% of the total energy usage in the university. This ratio will be increased in the near future.

SAMRT buildings

- The Islamic University of Gaza intends to realize further energy savings by replacing conventional appliances with energy efficient appliances. Many of the conventional appliances have been replaced with energy efficient appliances such as elevators, air conditions, lightening, etc. and the process of replacement is still progressing depending on the available budget and funded projects. Meanwhile, the dependency on renewable energy sources such as solar systems has been increased.