



الجامعة الألمانية الأردنية  
German Jordanian University

German Jordanian University:  
The Best of Both Worlds

# Goal 7:

Ensure access to affordable, reliable, sustainable and modern energy for all.



# GJU Organizes the 1<sup>st</sup> Symposium on Sustainable Development 2022



GJU sponsored the 1st GJU Symposium on Sustainable Development 2022 Water, Energy and Environment organized by the German Jordanian University (GJU) in cooperation with the Technical University of Berlin, German partner universities along with industrial partners and stakeholders. Experts and specialists representing many universities, institutes, research centers, and companies in Jordan and Germany participated in the Symposium.



# GJU Inaugurated the Energy Efficiency Training Program



The German Jordanian University (GJU) inaugurated the Energy Efficiency Training Program of the German Energy Academy in Jordan, which comes within the project to support the energy partnership with Jordan, supported by the German Agency for International Cooperation (GIZ).



# A Seminar Entitled “INTRODUCTION TO SOLAR ENERGY” at GJU



The AEE GJU Student Chapter organized a seminar entitled “Introduction to Solar Energy” in collaboration with GJU alumnus Engineer Zaid Aghabi.

The seminar tackled the working principles of generating electricity through photovoltaics (PV) and the fundamentals of designing on-grid PV systems from scratch.

Many students participated in this lecture, as were students of Solar 1 and PV Technology courses.



The instructors of the two courses, Dr. Mustafa Jaradat and Industrial Professor Firas Alawneh, attended the seminar.

The AEE GJU Student Chapter aims to help engineering students from all majors extend their knowledge in renewable energy systems, through educational seminars, site visits, and extracurricular activities.



# Wall Panels Illustrating the Energy Scene in Germany Installed in the Energy Engineering Department



The Energy Engineering Department at the School of Natural Resources Engineering Management (SNREM) represented by Dr. Aiman Albatayneh, in cooperation with the Jordanian-German Energy Partnership, set up multiple wall panels in the corridors of the Energy Engineering Department illustrating the energy scene in Germany.

The panels explain Germany's ongoing energy transition by means of engaging content in Arabic language, highlighting its experiences in the fields of renewable energy, energy efficiency; innovative energy policies and its ongoing strive towards a climate-neutral economy.



# GJU Wins the Emirates Energy Award 2022



The German Jordanian University (GJU) won the Emirates Silver Award for Energy for the year 2022 in its 4th cycle, organized by the Supreme Council of Energy in Dubai, with the participation of 187 projects from 16 countries, for its “Anwar” solar power plant project with a capacity of 2.11 megawatts, in the category of Distributed Solar Energy – Large Scale.



# Energy Smart Mediterranean School Network (ESMES)



Energy Smart Mediterranean School Network” ESMES is part of the [ENI CBC Med](#) Programme, the largest multilateral initiative for cross-border cooperation (CBC) in the Mediterranean area. The Programme has a budget of €209 million, is funded by the European Union under the European Neighborhood Instrument (ENI) and managed by the Autonomous Region of Sardinia (Italy).

ESMES will be implemented in five Mediterranean countries, involving five organizations: ICU - Institute for University Cooperation, leader of project, the German Jordanian University, the Lebanese Center for Energy Conservation, the National Agency for Energy Management of Tunisia, the Ribera Consortium of Valencia and the Alcamo Municipality in Italy.



# ESMES LAUNCHES PILOT INITIATIVES ON RENEWABLE ENERGY AND ENERGY EFFICIENCY SOLUTIONS (REEE) IN THREE SCHOOLS



To meet ESMES goals, three schools have been selected in Jordan for the implementation of the Renewable Energy and Energy Efficiency (REEE) solutions. Schools that have been selected are the following:

- ❖ Bayt Yafa Secondary School for Girls
- ❖ Jrene Secondary School for Boys
- ❖ Madaba Secondary Comprehensive School for Boys.

The German Jordanian University, ESMES partner in Jordan, the Ministry of Education and Irbid District Electric Company met at Bayt Yafa Secondary school to agree on a proper location to house the transformer for the first pilot to be launched. The objective is to demonstrate the REEE portfolio solutions according to school rehabilitation plans, their cost-effectiveness and replicability potential in the countries where ESMES is implemented, i.e. Italy, Jordan, Spain, Tunisia and Lebanon.

Each of the selected schools will have a custom intervention plan, according to energy audit, data monitoring and custom design. The energy audit has been completed by ESMES team for the selected schools, while electrical consumption data monitoring is still undergoing. Design activities are in progress. However, more data are needed for the photovoltaic system design. The design of several interventions is completed, and it is evident that the electrical supply network needs to be upgraded to accommodate all planned REEE interventions. This includes installing a new 33 kV distribution transformer in the schools with new supply cables from the electrical grid.

# MOU Between GJU and the Ministry of Energy and Mineral Resources



The German Jordanian University (GJU) and the Ministry of Energy and Mineral Resources signed a memorandum of understanding that frames cooperation between the two parties in the field of energy policies, renewable energy, rationalization of energy consumption, training and development of competencies and the exchange of scientific and research knowledge.

