



HASHEMITE UNIVERSITY

Sustainable Development Goals



GOAL 7: AFFORDABLE AND CLEAN ENERGY

Sustainability is a priority at the Hashemite University (HU). Through the actions that it is taking, the University aims to become more energy self-sufficient by increasing its carbon saving. The Hashemite University aims to have a Smart Grid and Campus with the ability to dynamically manage all sources of power on the grid means that more distributed generation can be integrated within it. The energy management and sustainability policy at the Hashemite University is focused on improving energy efficiency and moving towards a sustainable energy future in HU through energy-saving practices and approaches, new energy-building saving techniques, and renewable energy sources. At the Hashemite University, new building expansion on the HU campus (with more than 70,000 m²) of newly added building area used smart and green technologies. The smart building project won the Jordanian Ministry of Public Works and Housing Award for Building Design Consultancy in 2013. The new building project was completed in 2019. In order to help the university to achieve 100% energy independence, the university has implemented PV systems in each of the newly constructed expansion projects. This solution helped to achieve water and electricity bills that are equal to zero with 100% energy independence.



In the last year, HU continue with her goal (100% energy independence based on renewable energy resources). In order to help the university to achieve 100% energy independence, the university has implemented PV systems and upgraded the existing buildings to higher energy efficiency by having the following projects:

- Smart Energy Meter and Management System (AMI) for all buildings.
- SCADA system for the exciting PV projects in the HU.



HASHEMITE UNIVERSITY

Sustainable Development Goals



- Converting all lights to LED Lighting.

HU actively provide different service to increase awareness of energy efficiency and renewable energy through holding related workshop, seminars and visits. The relevant free activities are as follows:

- Students from public and private universities and elementary and secondary schools visited the PV project to learn about its importance, environmental impact, and the ease, safety and transferability of renewable energy technologies.
- HU has fascinated mutual agreements for the university to provide consultation and supervision to more than ten projects in Jordan, representing a direct indicator of capacity building and transfer of knowledge in renewable energy mega projects.
- More than 100 undergraduate and graduate students received their technical field training and research during the commencement and operation of the project. This is in addition to more than 30 faculty and staff members who worked directly in the committees, supervision, and training on the project.

<https://hu.edu.jo/en/unitcenter/?unitid=55130000>

