

Sekem Training Projects

2024

Promoting energy efficiency and clean energy is essential for building a sustainable future. Educating local communities about the environmental, economic, and social benefits of sustainable energy practices can inspire positive change and encourage responsible energy consumption. This report outlines a program designed to engage the local community, with a particular focus on Sekem School students, in hands-on learning experiences related to energy efficiency and solar energy projects.

By involving students in the implementation of solar projects, the program aims to provide practical knowledge, raise awareness of renewable energy technologies, and empower young learners to become advocates for sustainable practices in their communities. Through interactive workshops, demonstrations, and project-based learning, participants will gain firsthand experience in understanding the importance of reducing energy consumption, adopting clean energy solutions, and contributing to a greener, more resilient future.

The following section presents some of the training projects implemented as part of this program, illustrating how students actively engage with solar energy technologies and energy-efficient practices.

1- Solar Pumping Project:

Location	Minya
Capacity	90 Kwp
Mounting method	Ground mounting
Materials	126 panels from 715 Trina brand 75 Kw inverter from SAJ brand 250 m from 6 mm ² dc solar cables Protection Panel 60 m from Ac cables



2- Solar Pumping Project:

Location	Wahat
Capacity	8 Kw
Mounting method	Ground mounting
Materials	14 panels from 605 Longi brand 11 Kw inverter from Fercon brand 100 m from 4 mm ² dc solar cables Protection Panel



3- Solar Pumping Project:

Location	Minya
Capacity	90 Kwp
Mounting method	Ground Mounting
Materials	126 panels from 715 Trina brand 75 Kw inverter from SAJ brand 250 m from 6 mm ² dc solar cables Protection Panel

