

SolarInnovate Energy Solutions

Kuwait City Solar Power Generation System



Overview

The Kuwait Institute for Scientific Research (KISR) has developed the innovative Shagaya Renewable Energy Project, which constitutes the first phase (Phase I) of an ambitious Master Plan to generate approximately 3.2GW of electricity using renewable sources by 2030. Does Kuwait use solar energy?

KUWAIT: Kuwait enjoys sunny days almost the whole year long, but this source of energy is not exploited like in many other countries. Solar energy is used in Kuwait in a few places, including private houses.

Who is Kuwait Energy?

Kuwait Energy, established in 2005, is an independent MENA-focused oil and gas exploration and production company with a registered office in Jersey, head office in Bahrain and main offices in Kuwait, Cairo, Basra and Sana'a. These offices oversee our main operations in Egypt, Iraq, Yemen and Oman.

Will Kuwait produce 15 percent of its power from solar and wind?

Ali: The late Amir Sheikh Sabah Al-Ahmad Al-Jaber Al-Sabah announced at the 2012 United Nations Conference on Climate Change that Kuwait will strive to produce 15 percent of its power from solar and wind by 2030, a goal that has since been reaffirmed in the New Kuwait 2035 vision.

How many power plants are there in Kuwait?

Power generation in Kuwait depends primarily on the cogeneration-desalination power plants. There are 6 power plants in Kuwait, namely: Doha East, Doha West, Shuaiba, Al-Zour South, Sabiya, and Shuwaikh as shown on the Kuwait map in figure 1. These power plants employ both thermal steam turbines and gas turbines for power generation.

Does KFAS have a solar energy project?

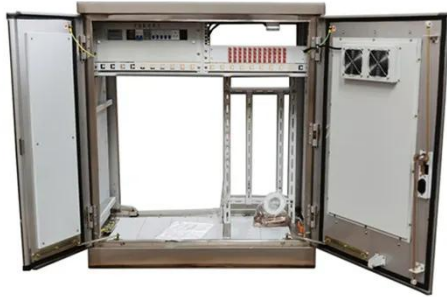
Based on the success of this pilot project, KFAS has begun spreading and encouraging renewable energy applications in the Kuwaiti society more

generally and has proposed a similar project in an effort to supply, install and operate solar cells in 1,500 households.

Does Zahra cooperative society have a PV system?

The PV system at Zahra Cooperative Society has a capacity of 780 kWp, which can produce roughly 1,270 MWh of electrical energy per year. This can power more than 16 houses for a year, saving at least 780 barrels of oil annually and reducing CO2 emissions by at least 1,150 tons per year.

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