

Visit to Royal Sun Hotel in Chania on 7th September 2017

During the first day of the meeting, on 7th of September 2017 partners and stakeholders visited two different commercial buildings which were using renewable energy systems in order to decrease their CO2 emissions due to energy use. The high availability of solar energy in Crete favours its use for hot water production and electricity generation.

The first visit was in the hotel ROYAL SUN located in Chania. The hotel has installed in its roof terrace a solar-PV system of 10 KWp generating approximately 15,000 KWh per year, covering part of its annual electricity needs. The same hotel has also installed a solar thermal system on its roof terrace producing hot water covering its own requirements in clients rooms, in the Kitchen and the laundry. The total area of the flat plate collectors was 22 m2 and its power 15.4 KWth. An additional air to water heat pump was used to produce additional heat covering the peak loads for hot water in the hotel. The combined use of solar thermal energy, solar-PV energy and a high efficiency heat pump in the hotel ROYAL SUN results in reduced CO2 emissions due to energy use in it.

