

What is greenvolt & why is it important?

The way we consume, produce and share our energy needs to change and Greenvolt wants to be a major contributor in this process. Greenvolt reduces waste and values forestry residues to create renewable energy with a positive impact in the economy and environment.

Does Palestine have a potential for solar power?

The Palestinian territory has a high potential for solar power generation, as it receives around 3,000 hours of sunshine per year. As a result, the Palestinian Authority is looking to attract investments in the renewable energy sector. Inauguration of the solar power plant in a school in Beit Hanina, Jerusalem.

Can Palestinians achieve 10 percent of electricity production from renewable sources?

The Palestinian Energy Authority issued a renewable energy strategy in 2012 that aims to gradually achieve 10 percent of electricity production from renewable sources by the end of 2020. According to the strategy, this goal can be achieved if certain prerequisites are attained.

How much PV power can be produced in Palestine?

In Palestine, the average values of specific PV power production from a reference system, described in Table 2, vary between 1700 and 1765 kWh/kWp for the selected three areas. A maximum value of energy that can be produced in Gaza and in the very southern region of the West Bank is higher than 1800 kWh/kWp.

How much electricity does Palestine use?

Electricity supply and demand According to the Palestinian Central Bureau of Statistics (PCBS), the total electrical energy consumption in Palestine in 2019 was reported to be 5,929.5 GWh. This quantity is almost entirely imported from outside sources, mainly from the Israel Electric Corporation (IEC), as shown in Table 1.

What is the energy problem in Palestine?

The energy problem in Palestine is one of many issues that affect the social and economic conditions of the Palestinian people. The fact that most of the energy is imported at relatively high prices places more financial burdens on poor and marginalized people.

Step into a future where your business is in charge of its energy, by investing in solar energy solutions for your company. With Greenvolt Next, we offer you a complete set of solutions to meet your needs, handling everything from engineering and design to construction.

This research is the most comprehensive one to date since it focuses on the potential for each individual RE (solar energy, wind energy, hydropower energy, wave energy, geothermal energy, and biomass energy) in each municipality of the State of Palestine (11 sites in WB and 5 sites in GS).



# Palestine greenvolt energy solutions

A new National Renewable Energy Action Plan (NREAP) (the new plan or strategy from 2020 to 2030) for Palestine is in the preparation stage and outlines the strategy to further accelerate the deployment of renewable energy technologies.

A shift towards a sustainable energy system could support Palestine to secure a reliable and affordable electricity supply, achieve cost savings, and create long-term benefits for economic...

We believe in the necessity of providing renewable energy solutions at fair and competitive prices to Palestinian citizens, companies and distributors, in a way that contributes to reducing the cost of electricity consumption.

Greenvolt Group is committed to decentralized energy production through individual and collective self-consumption solutions. This is one of the main pillars of the energy transition and an effective way to reduce energy costs, particularly for businesses.

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Sunergy for Renewable Energy Solutions was founded in 2012 as a provider of renewable energy solutions. It specializes in the fields of solar, wind, and geothermal energy generation and in energy management.

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