



LONG ISLAND POWER AUTHORITY

Long Island, New York



SOLAR CASE STUDY

When W Energies wanted to generate solar power that they could sell back to Long Island Power Authority, they turned to FSG to help get the job done.

CHALLENGE

Capturing the energy of the sun and turning it into electricity is not a new concept. However, finding ways to do it on a scale that can benefit multiple homes and businesses can be a challenge, especially in places with limited land resources. To accomplish this, W Energies enlisted the expertise of Facility Solutions Group (FSG) as the electrical contractor for the industrial-scale project. FSG's task was to design and implement a solar system capable of producing 300 kW of electricity, addressing the challenges of limited land resources and maximizing energy production.

SOLUTION

The primary challenge was to efficiently capture solar energy on a scale large enough to be economically viable, particularly in an area with limited available land. FSG utilized its extensive electrical engineering and project management experience to develop a comprehensive solution. They designed and installed a solar array consisting of 1,056 panels on a factory rooftop, ensuring optimal use of space. From initial site design and preparation to the final system activation, FSG provided a turnkey service that met the precise needs of W Energies and the Long Island Power Authority.

RESULT

The successful implementation of the 300 kW solar system by FSG has resulted in a significant renewable energy contribution to the Long Island community. The electricity generated by the rooftop solar panels is sold back to the Long Island Power Authority, supplying clean energy to both consumers and businesses. This project not only showcases FSG's ability to deliver large-scale solar solutions but also highlights the potential for innovative renewable energy projects to make a positive impact on local power grids and communities.

Owner

W Energies

Contract Type

Solar

Electrical Contractor

FSG

Energy Firm

W Energies

