



Solar Power Carbon Offsets

Solar power replaces fossil fuels. The rapid reduction in investment costs has made solar power the cheapest form of new power production in many places. Electricity from solar power plants is used for microscale installations at a few kW to large utility scale power plants with a capacity of hundreds of MW. In remote areas, solar power installations replace diesel generators, while large solar parks are providing electricity to large cities and compete with and often replace fossil fuelled power plants.



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When replacing a diesel generator with solar power, one can calculate the annual amount of diesel that is saved. The CO₂ emissions that would result from burning this amount of diesel is translated to carbon credits that can be used for offsetting your business emissions. In the same fashion, when you connect a new solar power plant to a fossil fuel dominated grid it is reasonable to expect that the electricity from solar power replaces electricity from fossil fuels. By calculating an emission factor that tells how much CO₂ is released per kilowatt-hour of electricity from fossil fuels, one can determine the reduction in CO₂ emissions that results from the solar power plant.

By using recognized standards for emission reduction calculations, the solar power plant can earn carbon credits for the emission reductions it creates. These standards are of high integrity and require the project to follow strict procedures for monitoring and certification. When the carbon credits are certified and issued, they can be used to offset your emissions.

The project should support local development in addition to reducing emissions. Another crucial feature is that the carbon credits must be additional to business-as-usual. This means that the project would not have happened without being registered as a carbon offset project.

Solar power and UN's sustainable development goals

Solar power is contributing to achieving the sustainable development goals set by the United Nations (UN).

A solar power project can support the following goals:

- **Good health and well-being.** Renewable energy replacing fossil fuels when generating electricity will increase health benefits from the direct reduction of pollution locally.
- **Affordable and clean energy.** Solar power provides just that: affordable and clean energy.
- **Decent work and economic growth.** A solar power plant creates local employment opportunities both during construction and operation.
- **Industry, innovation and infrastructure.** Solar power plants may strengthen existing power grids and provide electricity to areas with low or no prior supply. It can assist and enable the development of businesses that are reliant on electricity.
- **Sustainable cities and communities.** Solar energy provides sustainable energy to everything from small off-grid communities to large cities and regions.
- **Responsible consumption and reduction.** By supporting solar power and making it a part of the electricity mix it promotes renewable energy sources and reduces the dependency on fossil fuels.
- **Climate action.** Promoting renewable energy sources is an essential part of supporting sustainable development.

Our Services

World Kinect Energy Services offer a complete range of services to measure, reduce and offset your carbon emissions. We will calculate your carbon footprint and assist you in reducing your existing emissions. The carbon emissions that cannot be reduced in a cost-effective way can be offset using carbon credits e.g. from solar power projects.

World Kinect Energy Services provide end-to-end, full-service management of project sourcing, trading, delivery and retirement of certificates with communication materials to fit our customers' needs. We provide tailor-made solutions to all companies to fit their sourcing strategy and environmental targets.

We have direct access to carbon credits from solar power projects across the globe. The credits we offer are certified by recognized standards including Gold Standard, VCS and CDM, and we provide the vintages and geographic locations you need to offset your emissions. Select projects are also available for visits at the project location.

What are the benefits of purchasing solar power carbon offsets?

By purchasing solar power carbon offsets through World Kinect Energy Services, your company will contribute to the development of new renewable energy production that fights climate change, and in many cases also contribute to local development, employment and access to renewable energy. We handle everything for you with end-to-end service management of project sourcing, trading and retirement of certificates providing you with a Carbon Neutral Diploma and a formal Retirement Certificate.

Please contact us to learn more about how we can assist your company's carbon-neutral journey.



World Kinect Energy Services is trusted by 65,000 customers worldwide. With 35 years of experience delivering more than 50 fuel and energy products on time and in full, we help you solve energy challenges. We are Everything Energy.

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