

Project 2256

# Elazig Solar Farm

Turkey

Selected by Carbon Neutral Britain, Elazig Solar Farm is one of the first 'high efficiency' solar farms within the region, providing economically viable renewable energy solutions, in a country heavily reliant on fossil fuel combustion. By providing clean renewable energy to the Turkish National Grid, GHG emissions are avoided that would have otherwise been combusted for energy generation. In a country with a significant energy deficit - Elazig Solar Farm aims to be one of many solar projects to help reduce emissions, whilst also providing economic stability and certainty in the availability and cost of energy across the country.



Carbon Neutral Britain Project 2256 - Elazig Solar Farm - has been developed as a 'high efficiency' solar farm, utilizing crystalline silicon based solar PV modules to provide economically, and efficient solar energy to the region.

As a country that imports almost three-quarters of its energy - including half the coal, and almost all the oil and gas it requires, from 1990 to 2019, carbon emissions from fuel combustion have risen from 130 megatonnes to 360 megatonnes per year.

With energy consumption forecasted to increase almost 40% in the next 12 years, renewable energy projects such as Elazig Solar Farm are essential to reduce carbon emissions, whilst also providing economic stability and certainty in the cost of energy for the population. With a national estimated figure of 2600 hours of sunlight each year, Elazig Solar Farm aims to help provide self produced energy, whilst also reducing the emissions produced from fossil fuel combustion.

In addition to the environmental benefits, the key economic benefits of the project are to help contribute to reduced costs and economic growth within the region, with every gigawatt of solar power produced, saving over US \$100 million on gas import costs for energy.

The key ambitions for the project are to help encourage and develop further solar generation within the Eastern Anatolia region, and the success of the high efficiency, low cost solar installations aim to provide a blueprint for future growth and benefits across the country.



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



13 CLIMATE ACTION





Credits Issued from one or more of the International Carbon Offsetting standards:



**This Project is a Verified Carbon Offsetting Project, selected by Carbon Neutral Britain™, which has undertaken Independent Project Validation and Assurance on quality, outcomes, and performance**

As the UK's Leading Carbon Offsetting provider - Carbon Neutral Britain has completed industry leading Independent Project Validation and Assurance for this project, and all projects supported via the Climate Fund™ portfolio.

Following our mission to provide the Best Value, Biggest Impact, Most Transparency, and Upmost Quality and Assurance of projects supported, validation ensures all projects have a real and lasting impact on Climate Change. This is achieved via three layers of assessment.

**First** - this, and all projects utilised must be audited and approved via the United Nations CER, Verra, or Gold Standard Mechanisms. As the three largest, and most regulated carbon offsetting standards in the world - this ensures the measurements, and tonnes of CO2e offset are accurate, and verified by these third parties (with public audits available for each project).

**Second** - Carbon Neutral Britain selects projects based on the 'secondary' benefits, such as helping to provide education, employment, clean water, energy, or have a positive impact on the local wildlife and ecology (for nature-based projects). Carbon Neutral Britain ensures all projects align with United Nations Sustainable Development Goals - which are listed within this project pack.

**Third** - all projects are Independently Validated, completing due diligence on the audits completed via the applicable corporate standard.

Above and beyond the requirements of the United Nations CER, Verra, and Gold Standard Mechanisms, Validation Independently Assesses each project, and only AAA Rated Carbon Credit Projects are utilised within the offsetting portfolio's provided by Carbon Neutral Britain. An AAA Project Rating is achieved via successful completion of the 6 steps below.

