

# Guatemala Solar Irrigation System Project



## Overview

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Located in Oratorio, Santa Rosa, Guatemala, limited rural grid coverage has long posed a major challenge for irrigation power supply. In February 2026, a local farm owner, through a regional partner, deployed a Solartech solar pumping system to successfully replace a previously.

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[Ultimate Guatemala Travel Guide: Everything You Need to Know](#)

When people ask us which country in Central America surprised us most, we have the same answer: Guatemala. In this travel guide, we've included everything you need to know about

[Guatemala Solar Drip Irrigation System Project , EOACC SOLAR](#)

These systems harness solar energy to pump water for irrigation, providing a sustainable and efficient solution to the challenges of traditional farming methods.



[Guatemala , History, Map, Flag, Population, & Facts , Britannica](#)

Guatemala, country of Central America that is distinguished from its Central American neighbors by the dominance of an Indigenous culture within its interior uplands.

### Guatemala (AFCIA)

This project is implementing Solar Photovoltaic Irrigation Systems (SPIS) to enhance resilience and sustainability by providing farmers with reliable irrigation technology, supported by robust business



[Permaculture and Solar Thermal Dried Solar Fruits to](#)



## Guatemala

Guatemala facts: Official web sites of Guatemala, links and information on Guatemala's art, culture, geography, history, travel and tourism, cities, the capital of Guatemala, airlines, embassies, tourist



### [Solartech Solar Pumping Solution Empowers Smart Farming in](#)

Located in Oratorio, Santa Rosa, Guatemala, limited rural grid coverage has long posed a major challenge for irrigation power supply. In February 2026, a local farm owner, through a regional



[sabrina solar pumping inverter on LinkedIn: #guatemala #escuintla #](#)

The objective of this project is to design, develop, and implement a hand-made solar drying fruit equipment, and a solar-powered water drip



### 10 HP Water Pump Project in Guatemala

The main challenge was ensuring that the solar energy system could consistently support the 10 HP water pump, which is vital for irrigating extensive farmland.



### [Where is Guatemala? Culture, Facts & Travel](#)

Discover Guatemala. Explore Guatemala facts, culture, history & comprehensive country profile with maps, statistics & research resources for students & travelers.

The operation of this project not only provides better irrigation for 18 hectares of sugarcane fields, but also greatly saves fuel costs for sugarcane farmers, ensuring their harvest.



## Guatemala

The territory of modern Guatemala hosted the core of the Maya civilization, which extended across Mesoamerica; in the 16th century, most of this was conquered by the Spanish and claimed as part of

## Guatemala

The most populous nation in Central America, Guatemala is a representative democracy with its capital at Guatemala City. Although the nation has been relatively stable since 1996, Guatemala's recent



## Guatemala Maps & Facts

Guatemala, officially known as the Republic of Guatemala, shares its borders with four countries: Mexico to the north and west, Belize to the northeast, and Honduras and El Salvador to

## [Sustainable Irrigation in the Dry Corridor of Baja Verapaz.](#)

Promote the adoption of solar-powered irrigation systems (SPIS) to enhance the resilience, productivity, and livelihoods of smallholder farmers. Design a sustainable business model for smallholder farmers.



## [Solar-Powered Water Pump for Farmland in](#)



## [Guatemala](#)

EcoSync delivered an off-grid solar and battery system in Guatemala to power a 10 HP water pump for farmland irrigation, ensuring energy reliability

## [Empowerment Through Enterprise: Sustainable](#)

AEP recently received funding from the IEEE Industrial Electronics Society (IES) through IEEE Smart Village to design, develop, and implement a



## **Guatemala country profile**

Provides an overview of Guatemala, including key facts about this Central American country.

## **Guatemala - Travel guide at Wikivoyage**

Guatemala has a rich and distinctive culture from the extended mixing of Spanish settlers and the Maya people who are native to Central America. This diverse history and the natural beauty of the land



## [Chiquimula project - A solar powered irrigation system](#)

The main aim of the project is to provide the Chiquimula community with a solar irrigation system. A solar energy irrigation system (SPIS) not only provides

## [Guatemala - Country Profile: Population, Area, Currency & Key Facts](#)

Get complete Guatemala country profile covering

total population, land and water area (km2 & mi2), capital city Guatemala City, official language, national currency (GTQ), live local date



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