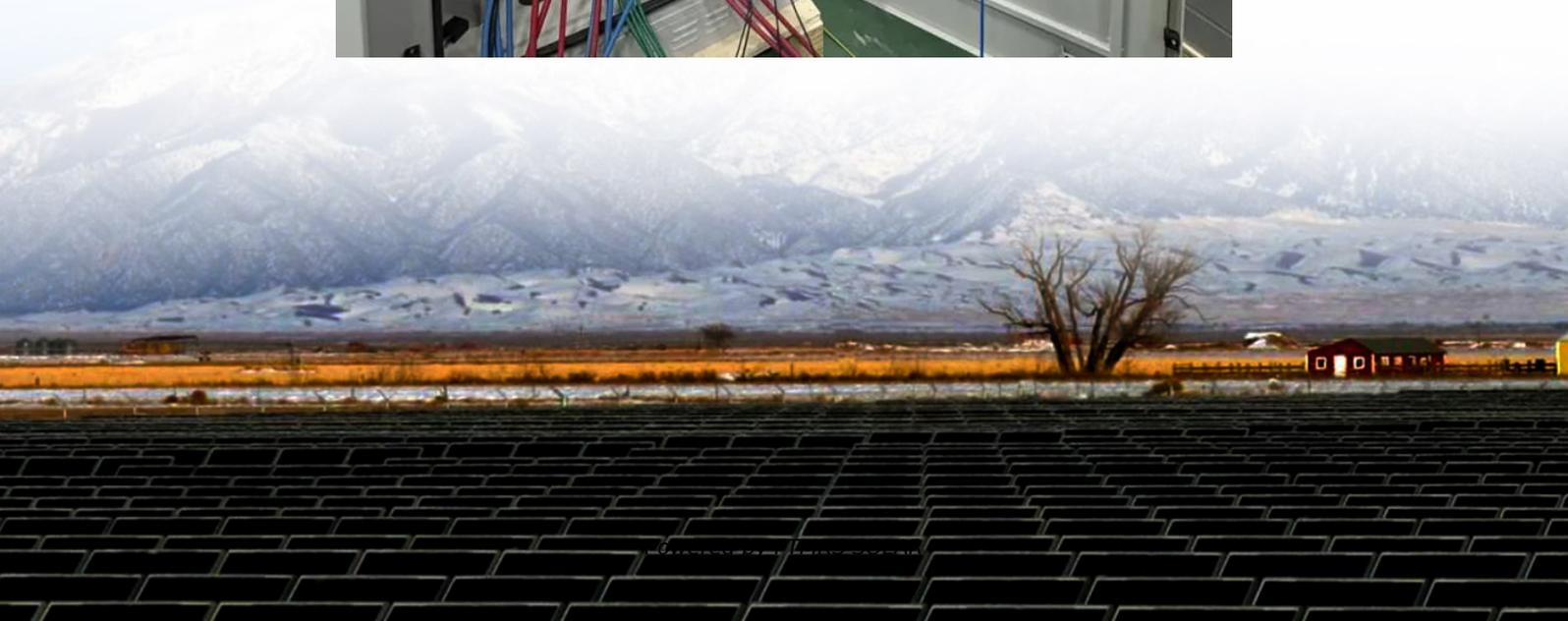


# Thin-film solar energy system application in East Timor





## Overview

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What does a solar technician do in Timor-Leste?

Technicians in Timor-Leste have experience in small-scale, off-grid solar energy systems. Commercial or industrial scale installations are more complex and appropriate technical capacity is scarce.

Does Timor-Leste need a roof-top solar energy system?

In addition, most of Timor-Leste's electricity is generated through costly and polluting diesel generators. Australia's Market Development Facility (MDF) and ITP Renewables conducted an assessment of the potential market for roof-top solar energy systems in Timor-Leste.

What is energy security in Timor-Leste?

1 Energy security is “uninterrupted availability of energy sources at an affordable price”; International Energy Agency. The average payback period for a rooftop PV solar energy system in Timor-Leste is 2.5 years. This is much lower than the global average of 6 to 10 years, due to solar resource and electricity costs:.

Who bids for solar IPP project in Timor-Leste?

For Timor-Leste, bidders are typically from legacy countries such as Indonesia, Portugal and People’s Republic of China. For the Solar IPP project, Government of Timor-Leste represented by the Ministry of Finance has provided backstop guarantee for EDTL obligations under the Implementation Agreement.



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### Going Green

Jul 9, 2024 · Timor-Leste offers a compelling opportunity to invest in solar energy Timor-Leste has rapidly expanded electricity access to more than 83 per cent of the population but the country ...

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### Timor-Leste Advances Toward Clean Energy Future with Solar Power

Jul 12, 2025 · A high-level delegation led by the Ambassador of Japan, UNDP Resident Representative, and INFPM Executive Director conducted a monitoring visit to assess the ...

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### East Timor (Timor-Leste) Solar Project

Nov 25, 2025 · Explore solar project in East Timor (Timor-Leste), delivering sustainable and reliable energy solutions. Learn about our commitment to renewable energy and how we're ...

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Nov 25, 2025 · Explore solar project in East Timor (Timor-Leste), delivering sustainable and reliable energy solutions. Learn about our commitment to ...

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### East Timor Government Launches Solar Energy Project at the ...

Sep 24, 2024 · The Government of East Timor, in partnership with UNDP and with the financial support of the Government of Japan, launched the installation of a solar energy system at ...

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### Timor-Leste sun power gen systems

Timor-Leste sun power gen systems Timor-Leste holds a strategic advantage over its neighbours in transitioning to solar rooftops, with potential electricity cost reductions and a recovery period ...

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### Solar Energy Equipment Supplied In In East Timor

A heterojunction cell combines all the advantages of crystalline and thin-film solar technologies in a single hybrid structure. The bifaciality is about 90%, and the power output of hjt cells is about ...

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### East Timor solar plant: Unique 20MW Project Confirmed

Oct 22, 2025 · East Timor's Commitment to the East Timor solar plant East Timor, officially known as Timor-Leste, is poised to make a significant leap in renewable energy with confirmed plans ...

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### Creating A Utility Scale Solar IPP Project in Timor-Leste

Jun 19, 2023 · First-utility scale renewable project in Timor-Leste Design, build, finance, operation and maintenance of a [72-85] MW solar photovoltaic plant ("Solar PV Plant"), a [36-42.5] MW/1 ...

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TIMOR LESTE / SOLAR POWER , UN Audiovisual Library

Jan 24, 2025 · This project, with funding from the Government of Japan and implemented by UNDP, aims to support 4 Pacific Small Island Countries (SIDS) - Papua New Guinea, Samoa, ...

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Solar Manufacturing in East Timor: A Key Investment ...

Sep 24, 2025 · The demand for solar in East Timor extends beyond large-scale electrification and industrial use. A significant, underserved market exists for smaller, decentralized applications ...

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