

# Why Solar Projects Fail in Emerging Markets: New Analysis Highlights Local Grid and Climate Risks

*A new analysis published in THISDAY explains why renewable projects struggle in Africa and Asia and why local engineering experience matters.*

MANILA, TARLAC, PHILIPPINES, December 5, 2025 /EINPresswire.com/ -- Solaren Renewable Energy Solutions Corp. announced the publication of a new guest analysis on THISDAY Live examining why many renewable energy projects in emerging markets fall short of their expected performance. The article explains that the core issues are not the renewable technologies themselves but a mismatch between imported design assumptions and the realities of local grids and climates.



A Solaren-engineered commercial solar installation in Cebu designed for high heat, humidity, wind, salt and variable grid conditions.

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Real success comes from engineering and design that match the local grid and climate, not designs copied from markets with mild conditions.”

*Solaren Renewable Energy Solutions Corp*

The analysis identifies four consistent failure points seen across Africa and Southeast Asia:

- Environmental mismatch. Systems specified for mild climates struggle under the extreme heat, humidity, dust, and storm exposure everyday in emerging markets.
- Structural weaknesses. Imported design templates are often applied to non-standard roofs or structures, increasing the risk of leaks, corrosion, and electrical faults.
- Procurement risk. The push for lowest-cost bids leads to

counterfeit or sub-spec components that degrade quickly and undermine long-term performance.

- Flawed financial models. Idealized yield and grid-stability assumptions rarely match local

conditions, leading to projected returns that collapse once systems operate in the field.

“The spreadsheets always look clean, but the moment a system meets real environmental challenges, assumptions start to break,” said Neil Pearce, founder of Solaren Renewable Energy Solutions Corp. “Real success comes from engineering that matches the local grid and climate, not designs copied from markets with cooler weather and stable infrastructure.”

Solaren operates across the Philippines and focuses on engineering-led design for commercial and industrial solar projects.

The full analysis, “Why Renewable Energy Projects Succeed or Fail in Emerging Markets,” is available on THISDAY Live:

<https://www.thisdaylive.com/2025/11/20/why-renewable-energy-projects-succeed-or-fail-in-emerging-markets/>

About Solaren Renewable Energy Solutions Corp.

Solaren is a Philippines-based commercial and industrial solar EPC known for engineering quality and long-term system reliability. The company is fully accredited and is known for delivering premium equipment and in-house engineering.

Neil H Pearce

Solaren Renewable Energy Solutions Corp.

+63 9178796037

sales@solaren-power.com

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A large-scale Solaren rooftop solar installation engineered for harsh coastal conditions and real-world grid challenges.



A second aerial view of the AGI installation showing structural adaptation for local heat, wind, and daily temperature cycles.

YouTube

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Solaren's SMA inverter room reflects precision engineering, organized cable routing, and long-term reliability planning.



Solaren's solar installation near Mount Arayat built for seasonal humidity, heat, and varying grid behavior.

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