

Why is solar energy important in South Sudan?

As characterised by ample sunshine with strong solar power potential, South Sudan remains as one of key destinations on African continent for solar energy investment. In addition to this, it has been documented that evolution of solar PV is of great significance in South Sudan.

How solar energy can transform South Sudan's economy?

A solar energy can also be transformative to South Sudan's economy. For example, solar energy is affordable, cleaner and last longer as compared to energy from diesel-powered generators because generators need diesel to burn and they also need to be replaced after few years.

How long does solar energy last in South Sudan?

Proponents of solar energy argue that a solar system can produce reliable electricity for about 25 years. Having recognised solar energy potential, South Sudan is expected to put more emphasis on development of solar energy sector as part of its fight against energy poverty and economic diversification.

Is result based financing a solution to South Sudan's energy crisis?

Result Based Financing (RBF) to accelerate access to energy services, an instrument commonly used in other markets to bridge the affordability gap, is also lacking in South Sudan. The energy sector's policy and enabling regulatory environment is still in its formative stage, especially for the off-grid sector.

How can humanitarian agencies contribute to solar energy in South Sudan?

Refugee contexts in countries such as Jordan have also led to the increased transition to solar energy through donor-led initiatives. Humanitarian agencies can also play a critical role in generating demand for solar systems in South Sudan refugee settlements, where biomass is predominantly used as energy source (Lemi & La Belle, 2020).

How do solar companies work in South Sudan?

Off-grid solar companies in South Sudan focus on serving large institutions and commercial customers, who make up over 80% of their sales. They prefer serving international NGOs and aid organisations operating in the country since these organisations can readily pay, unlike households. This leaves the household market underserved.

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The initiatives spearheaded by Aptech Africa and the financial support from EIF and FinnFund mark significant milestones in South Sudan's journey toward enhanced energy access and connectivity. The solar



# South Sudan solar finance system

hybrid systems installed in health facilities and telecommunications towers not only address the immediate energy needs but also contribute ...

"We used to walk hours every day just to fetch dirty water," recalls Joyce, a 31-year-old mother living in Yei Town, southern-South Sudan. Talking about a new solar-powered dual hand pump system, an innovation introduced by Islamic Relief to help provide continuous access to clean water, even in such harsh environmental conditions, Joyce says:

Clean, accessible water in South Sudan means more than just hydration - it's a safeguard against disease, a key to food security, and a foundation for development. Over 41,000 people are now benefiting from these solar-powered water systems, which serve both human consumption and agricultural needs.

Sudan is located at the crossroads of SubSaharan Africa and the Middle East-, bordered by seven countries: Egypt, Eritrea, Ethiopia, South Sudan, the Central African Republic, Chad, Libya and Red Sea to the northeast. o Sudan relies heavily on hydro resources both for producing electricity and for supply of water to the agriculture sector.

The Egyptian company Elsewedy Electric has recently won the contract to build a 20 MWp solar power plant in Southern Sudan. Located near the capital Juba, it will be equipped with a battery storage system. A solar photovoltaic power plant will be built in Southern Sudan. The contract for the construction of this facility has been awarded to the Egyptian ...

A just-commissioned solar and battery storage system will reduce diesel consumption by at least 80% at a base for 300 humanitarian workers in South Sudan managed by UN migration body IOM.

This is the second solar system at Malakal, as IOM already uses solar pumps to distribute 500,000 litres of water daily to meet the water needs of the PoC and Humanitarian Hub residents. ... When asked why the company chose South Sudan as a pilot location for its projects in humanitarian settings, the spokesperson said: "Scatec Solar"s ...

Aptech, which installed a solar rooftop-diesel system for the Upper Nile University of Malakal in South Sudan in November, has secured government approval to buy the electricity from the...

12 July 2022 - Kampala-based developer and ARE Member Aptech Africa says it plans to build a 12 MWp solar plant in Juba.. The capital of South Sudan is set to host a new 12 MWp grid-connected solar plant. The nation had just 1 MW of grid solar at the end of 2021, according to IRENA, but that figure could be set to leap thanks to a project under development in Juba by ...

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Josephine Napwon says these initiatives aim to attract climate finance from international funding sources, supporting efforts to address climate change and advance sustainable development. Napwon says encouraging private investment is also a priority to improve access to affordable finance and microfinance, particularly in rural areas, which ...

This PEFA assessment is focused on the Government of the Republic of South Sudan (GRSS). At the time of the assessment South Sudan was a semi-autonomous part of Sudan managed by the Government of Southern Sudan (GoSS), as part of the Government of National Unity (GoNU) that included both GoSS and the Government of Sudan.

impediments to providing strong, decentralized care throughout South Sudan. Note: Because this assessment was originally intended to inform the GoSS's application for the GAVI Alliance's HSS grant, the recommendations of the assessment team are reflective of this objective and of the GAVI HSS budget for Southern Sudan. GOVERNANCE AND FINANCE

Having recognised solar energy potential, South Sudan is expected to put more emphasis on development of solar energy sector as part of its fight against energy poverty and economic diversification. The good news is that South Sudan has already started its fight against energy poverty and one evidence for that is the ongoing construction of ...

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Explore ooba's comprehensive solar finance solutions for homes and businesses in South Africa. Secure the best solar loans today. ... How much does solar power cost in South Africa? The cost of your system is very dependent on the size of the system you go for. Systems without solar, won't give you any savings on your electricity bill but ...

"In 2021, South Sudan installed a solar rooftop-diesel system for the Upper Nile University of Malakal in the country.<sup>9</sup> "7.2% population in South Sudan had access to electricity as of 2020.<sup>10</sup> "South Sudan Electricity Regulation Authority is the energy regulator in the country.<sup>11</sup>

The Global Solar and Water Initiative team undertook a visit to South Sudan in order to assess selected existing solar pumping schemes, evaluate the feasibility to solarize water supply points in selected camps and raise awareness and solar technical expertise among WASH stakeholders in ...

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