South sudan photovoltaic pv systems

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The narratives around Oil and Gas have seen a shift in the last decade following the desire for clean energy sources. Big corporations are leading the way in the energy transition with companies looking for ways to produce oil & gas with zero carbon emission.

with regard to energy efficiency & energy transition, solar energy as a renewable energy has been recognised to be one of clean energy sources that can be harnessed in order to accelerate socio-economic growth and development. Globally, solar energy is one of popular renewable energies and this is attributable to affordability coupled with durability of solar systems and equipment.

In addition to its hydrocarbon proven reserves, South Sudan can also prepare for its sustainable energy future by reducing electricity deficit through clean power investment that targets upto 40MW of additional power from renewable energy sources.

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. 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. 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 Nesitu 20MWp PV Solar + 35MWh BESS power plant at Nesitu, Juba. This solar-powered plant consists of two storage training centre building and 25km 33kV transmission line from Nasitu to Gumba RMU connection point (loan from AFREXIMBANK).

Obviously, implementation of big infrastructural projects like construction of solar-powered plants in the country usually needs collaboration between the public and private sector. This means that South Sudan should have regulatory framework and good investment policies that can attract reputable companies that will bring technology and pool of expertise to develop the solar energy sector and associated power industries in the country.

We are delighted to announce that second edition (Q2 2022) of our print magazine is ready & will be distributed soon. This issue features interviews, news stories, articles on exploration, field development, local content, investment, energy security, technology, digitalisation, sustainability, energy transition, international best practices & other trending topics across the entire value chain of oil, gas & energy industry.

The Intergovernmental Authority on Development (IGAD) is seeking consultants to undertake a solar

mapping exercise in seven of its members states: Djibouti, Ethiopia, Kenya, Somalia, Sudan, South Sudan, and Uganda. The deadline for expressions of interest is August 30.

The International Renewable Energy Agency’s latest annual report on the progress towards UN sustainable development goal seven estimates 670 million people will still lack electricity in 2030, and more than 2 billion will be reliant on unhealthy, polluting cooking methods.

The International Renewable Energy Agency has combined energy infrastructure commitments across a huge swathe of the continent with hundreds of regional sites which offer rich solar and onshore wind potential, to determine what could be possible.

Egyptian energy services company Elsewedy Electric T& D (EETD) recently secured a contract to build a 20 MWp PV plant and 35 MWh storage system in South Sudan.

Egyptian manufacturer El Sewedy Electric has secured a contract from the authorities in Juba to build the $45 million project in Nesitu county. The African Export-Import Bank is financing the facility.

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