Mali foresight energy solutions

Is Mali ready to scale up renewables?
The Ministry, working through the Mali Renewable Energy Agency (AER-Mali), has initiated a partnership with the International Renewable Energy Agency (IRENA) to assess Mali's readiness to scale up renewables.

Does Mali have a good energy sector?
Mali's positive track recordin developing its energy sector,evidenced by its introduction of various renewable energy technologies as well as its efforts to create a welcoming enabling environment,are also discussed in the report.

Is Mali ready for a green-energy future?
Mali is ripefor the steady transition from its fossil fuels-laden past to a cleaner green-energy future for its socio-economic growth according to its investment plan. Like most West African countries,Mali relies heavily on fossil fuels but has significant potential in solar and wind energy.

What is the energy supply in Mali?
As in most sub-Saharan African countries,biomass(mainly in the form of firewood) provides the bulk of the energy supply (Figure 4). Mali has neither proven hydrocarbon resources nor a refinery; as a result,all petroleum products are imported through neighbouring coastal countries which impacts on the country's balance of payments.

What does Mali's energy plan include?
Moussa Ombotimbe, Technical Advisor in charge of Energy at the Ministry of Mines, Energy, and Water of the Republic of Mali, states that the "plan includes creating solar power plants, the inclusion of transmission lines, the establishment of mini-grids, and capacity building, making it comprehensive."

How many people in Mali have access to electricity?
In Mali,less than halfof the population has access to electricity,whereas in rural areas access is limited to only 16.7% of the population. In terms of modern fuels,access is extremely low,at only 2% and 3% for rural and urban areas,respectively. Energy access is widely recognised as essential to improve economic welfare.

A recent report by IRENA provides insights into Mali"s potential for large-scale solar photovoltaic (PV) and onshore wind projects. The analysis identifies zones in Mali that are highly suitable for investing in these renewable energy sources, focusing on both technical and economic factors.

Mali has some good potential opportunities for using renewable and environmental energy technologies for energy service provision in rural and urban areas. A low level of electrification, the establishment renewable energy sector and the government reform are all factors that favor such an approach.

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Increasing renewable energy production in rural territories according to the needs of productive users of energy, through support for decentralized clean energy solutions, particularly Green Business Areas, promoting sustainable management and governance systems.

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The findings of the Renewable Energy Readiness Assessment (RRA) highlight major obstacles to the widespread deployment of renewable energy systems. They identify critical actions that could have a significant impact on increasing renewables in the short and medium term.

According to the International Renewable Energy Agency (IRENA), Mali boasts significant solar power potential, particularly in its northern regions, where annual sunshine hours exceed 3,000 hours. This abundant sunlight provides a strong natural foundation for the implementation of solar energy projects. Despite this vast potential, Mali"s renewable energy market is still in its early ...

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Mali is heavily reliant on fossil fuel imports, exposing it to price volatility and unreliable supply. As a result, around three-quarters of the country"s mostly rural population lack basic energy needs like electricity access. They are ready for change.

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Mali has vast resource potential for the development of renewable energy. Renewable-based technologies could strengthen agriculture, drive sustainable rural development and improve food security, as well as expanding energy

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