

Energy for Tomorrow

Afghanistan has a chance to rebuild in a way that other countries would envy. Decentralized power systems based on renewable energy resources that rapidly meet the needs of development and local governance activities are viable NOW.

Avoiding the cost of a diesel based future

SESA WILL:

- Work with you to determine what your actual needs are.
- Audit your energy needs to improve efficiency and reduce wastage.
- Design and cost renewable energy based systems to reduce or replace diesel fuel consumption
- Install and commission complete renewable energy systems around Afghanistan



WIND
SOLAR ELECTRIC
SOLAR HOT WATER
SOLAR STREETLIGHTS
SMALL HYDROELECTRIC
GEOTHERMAL
ENERGY AUDITING AND
EFFICIENCY
TRAINING, SERVICE, SUPPORT

COMPLETE TURNKEY SERVICES

SESA will design, supply and install modern and reliable renewable energy systems to reduce or replace diesel consumption.

SESA

Sustainable Energy Services Afghanistan
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Sustainable Energy
Services Afghanistan



- Solar, wind and hydroelectric power
- Complete turnkey projects
- Community mobilisation
- Operator training and capacity building
- Sustainable energy systems
- Design, supply and install
- Service and support
- Difficult sites no problem

Afghanistan offers many challenges to the construction of new infrastructure, but also the chance to start fresh and build energy systems designed for tomorrow, when oil and gas will not be cheap. Afghanistan has wind, solar, hydroelectric and geothermal resources to make its own electricity. Lets harness them together.



- Surveying of sites to determine the best energy resource and delivery mechanism
- Procurement, delivery and construction of complete energy systems
- Transmission and distribution of power to end users
- High quality components are used and only trained staff are fielded.
- Transmission and distribution lines are built to the Afghan national energy system standards
- Training of local operators, plus service and support from Kabul assist in ensuring true sustainability.

Complete Renewable Energy Development Services

Many countries in the world are trying to move away from oil based energy systems. Costs are high and growing. Poorer countries cant compete on international markets for supplies of energy that they need to grow and join the world economy.

THE WAY FORWARD

SESA uses modern energy technologies to produce electricity in both cities and remote areas. Systems can be as small as a few watts needed to power communications sites, or large grid connected systems powering small towns or cities.

Renewable energy will have a significant role in Afghanistan's future. SESA is here to support it.

Avoiding reliance on diesel generators provides certainty over future energy costs and availability.



SECURITY AND DEVELOPMENT

SESA is able to interact with rural communities and security services to deliver services in a sensitive manner. Even small projects like solar streetlights can have a marked impact in rural areas

SESA works closely with the Ministry of Energy and Water to ensure energy projects are coordinated

OUR VISION

Over time, Afghanistan's electricity network will grow to connect remote communities. The work that is done today should be designed and built to a standard that allows direct connection to Afghanistan's growing power network. SESA sees a future where the smaller community scale projects being built today are interconnected through the national grid and provide the base power generation resource for the country.

SECURING THE FUTURE

Fossil fuels are increasing in price. Predicting the future cost of energy is difficult but the trend is towards higher prices, and perhaps shortages in supply. SESA can remove this exposure to international energy prices by powering infrastructure with wind, solar, microhydro or geothermal energy resources. Being locally available, logistics costs and security concerns are significantly reduced. Communities can take ownership of their own future, with the support of The Ministry of Energy and Water, links between rural and urban areas can be grown and strengthened.

Security matters now.

Future energy security starts now too