

## A-Core Container

# Afghanistan Industrial and Commercial Energy Storage Project



## Overview

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Should Afghanistan focus on renewables?

Focussing on renewables for domestic power generation, would ensure power generation and grid stability for its current and future energy needs, and would thus help Afghanistan achieve energy security.

What are the applications of bio-energy in Afghanistan?

Applications of bio-energy such as waste to energy and biogas units are relevant to Afghanistan. Raw material (municipality waste) is available in the cities which can be utilized in the waste to energy projects for electricity generation. In remote areas, agricultural wastes are available that can act as a raw material for biogas plants.

What are the priority areas for low emission development in Afghanistan?

Development of renewable energy is also one of the priority areas for low emission development for Afghanistan (NAMA, 2015) particularly in the context of energy access to rural communities to think and act beyond lighting energy.

What business models are used in re projects in Afghanistan?

Solar Power Parks, solar roof-top with net-metering, RESCO (Renewable Energy Service Company) and microfinance aided sale of stand-alone devices (i.e. Pay-As-You-Go) are some of the business models selected for RE projects in Afghanistan.

Can non-concentrating solar thermal systems provide thermal energy in Afghanistan?

Given the requirement of hot-water (and low-grade heat) for domestic, community and commercial purposes throughout the year in Afghanistan, non-concentrating solar thermal systems (flat-plate or ETC) can play a critical role in providing thermal energy to these applications. Accordingly, Roadmap

suggests a total target of 60 MW under this category.

Is Afghanistan a good country for energy security and energy access?

Afghanistan is rich in energy resources, both fossil fuel based and renewables. However, it still depends heavily on imported electricity and fuels and has one of the lowest per capita consumption of electricity in the world. Lack of domestic generation remains the key challenge for energy security and energy access in Afghanistan.

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### Contact Us

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