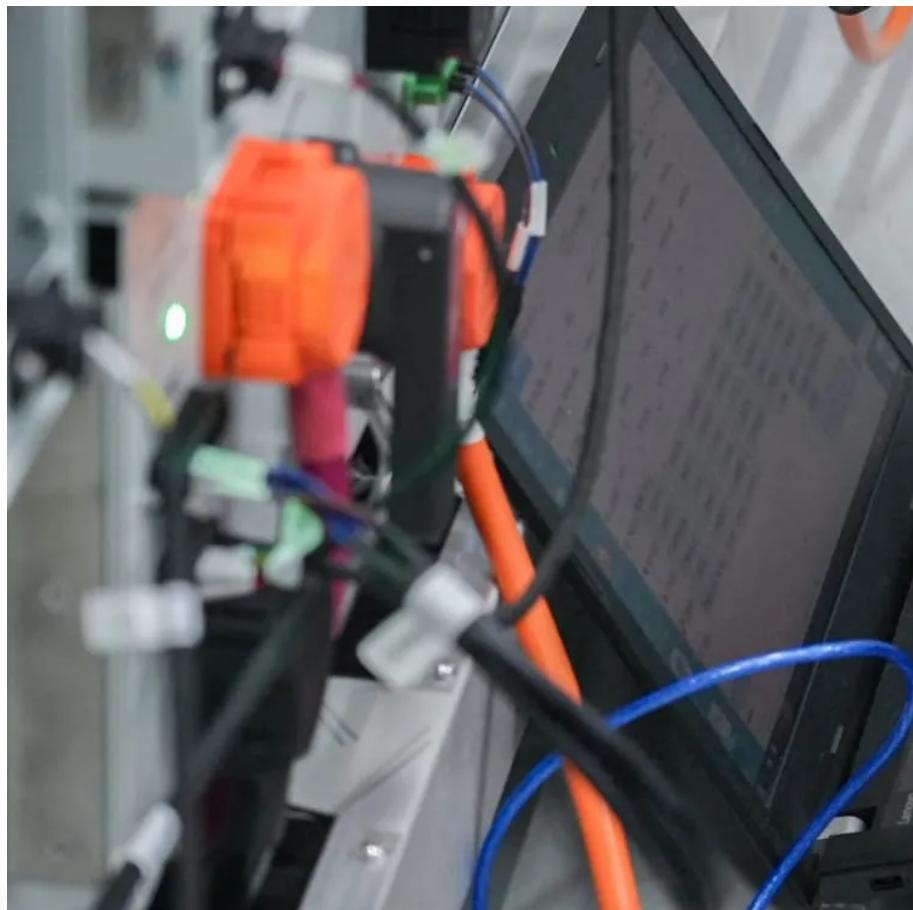




FTMRS SOLAR

Kabul's requirements for power storage





Overview

How much energy does Kabul have?

Kabul has 363.6 MW (approximately 243.5 MW from Uzbekistan, 70 MW from hydro energy and 50 MW from thermal energy) to meet 620 MW in demand, a shortage of 256.5 MW. 638,607 customers are connected to a traditional grid and its limitations . Figure 2. Energy demand and facilities of Kabul . 3.2. Environment 3.3. ICT network.

How much wind energy does Kabul have?

Wind Energy: Kabul experiences prevailing winds from the northwest direction with average speeds between 3.1 and 5.4 m/s . It is estimated that Kabul has 41 MW wind capacity . Based on the geography and the strategic development areas in Kabul, two sites are considered ideal for wind energy development.

Why is energy important in Kabul?

Energy is one of the most important foundation in growth of a city. Kabul's demand is 620 MW , but the government can only provide 363.5 MW, and its conventional electrical system is associated with problems like limited interaction, non- or one-way communication, limited power flow control, and cascading outages.

How much would a public transportation system cost in Kabul?

Public transportation system A public transportation system in the Kabul has been proposed using electric buses at a cost of about \$100,000 each. Funding for 10 cars for each of the 22 districts of Kabul would cost \$22 million. Electric vehicle: City residents can be encouraged to use electric vehicles instead of diesel and petrol cars.



Kabul's requirements for power storage

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