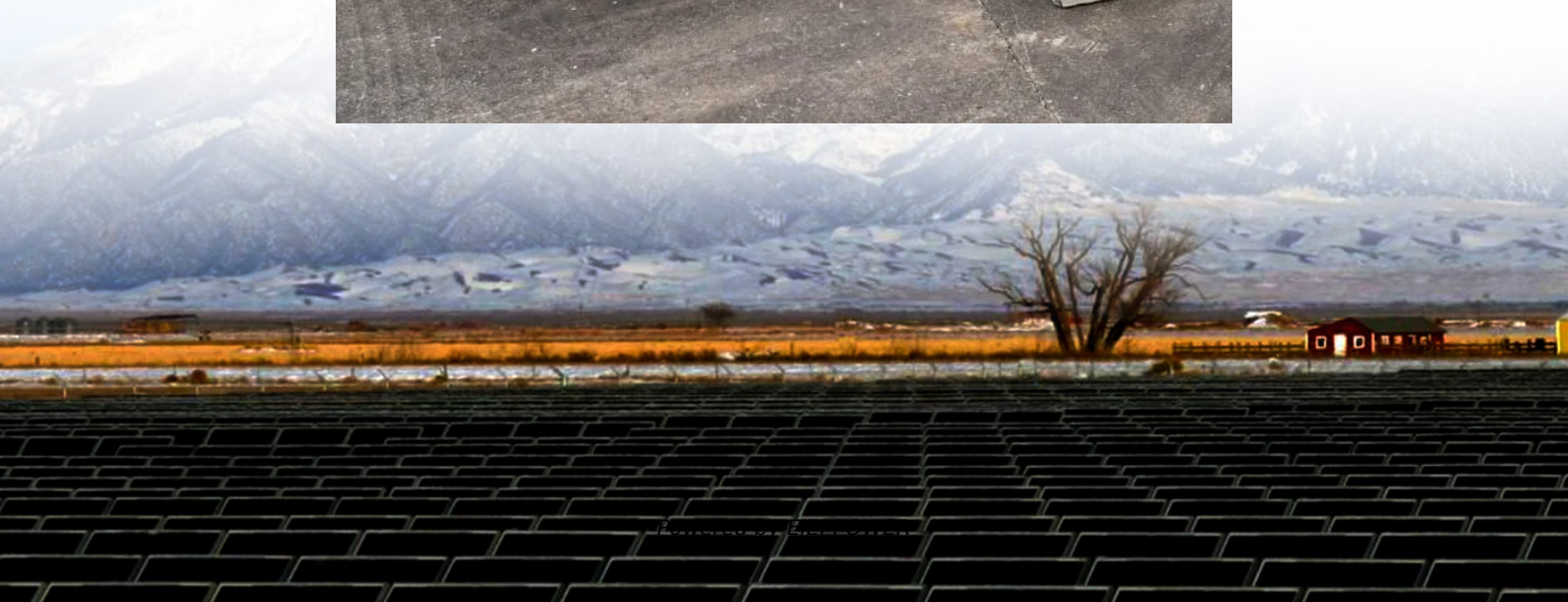


Havana Industrial Energy Saving and Storage Equipment Transformation





Overview

How can Cuba improve energy security?

In the Int-a and Int-b scenarios, Cuba still needs to import refined fuels which are mainly required by the industrial and transport sectors. Therefore, energy security can be improved by reducing the oil subproducts demanded by these activity macro sectors (i.e. MS1 and MS7).

Why is the energy transition difficult in Cuba?

Because of its geopolitical situation, Cuba has more difficulty than other countries in accessing international markets, which could make the implementation of the energy transition in this country difficult. Nevertheless, the Cuban authorities can be advised to invest progressively in solar and wind energy.

What technologies are used in Cuba?

In fact, almost all of the technologies used in Cuba are very old, especially those using fossil fuels to produce controllable energy, e.g., old thermoelectric power plants. These technologies have already been used well beyond their useful life time.

How EVs are produced in Cuba?

This is explained by how the electricity demanded by the EVs introduced is produced. In Cuba, this electricity is supplied mainly by thermoelectric plants that must use a greater amount of fuel to increase their production, which leads to higher CO2 emissions.

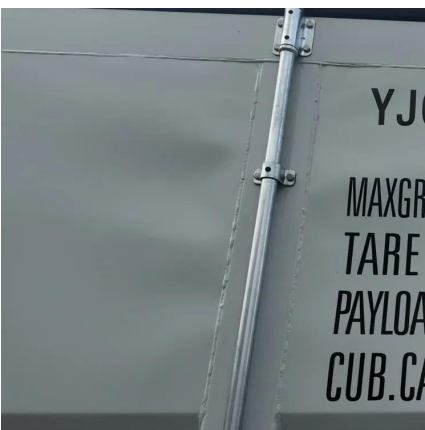


Havana Industrial Energy Saving and Storage Equipment Transform



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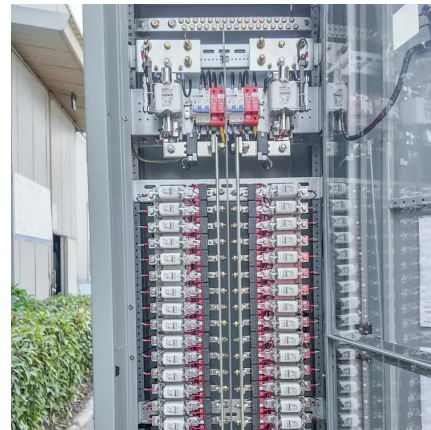


Strategies toward an effective and sustainable energy transition for Cuba

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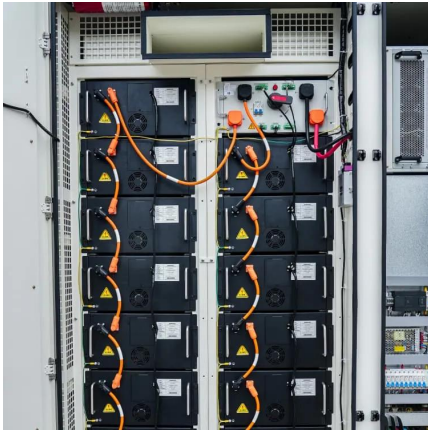


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transformation industries (MS1), Non-Industrial combustion ...



The Net-Zero Circle

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Why Energy Storage Matters for Havana's Industrial Growth With Cuba's renewable energy capacity growing at 12% annually (Global Energy Monitor 2023), Havana faces a critical ...



What is the current status of energy storage ...

The pandemic has accentuated Cuba's need to diversify and move from oil-generated energy to renewable sources of energy (RES). RES with large potential on the island include solar, wind, ...



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Cuba's Energy Storage Crossroads: Balancing Renewables ...

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