Containerized BESS cost breakdown in Mauritius 2030

How will Mauritius transition to a low carbon economy?
Mauritius is transitioning to a low carbon economy,with the Central Electricity Board (CEB) installing the first grid-scale Battery Energy Storage System (BESS). This is the first of its kind in Mauritius and enables high capacity storage of renewable energy in the grid.

Why is battery energy storage system being introduced in Mauritius?
The CEB is introducing a Battery Energy Storage System (BESS) on its network to arrest the fluctuation inherent to Variable Renewable Energy (VRE) systems. This is due to the increasing share of VRE in Mauritius' energy mix,as the country's energy transition to a low carbon economy gains momentum.

How many BESS installations does the CEB have?
The CEB has two BESS installationsof 2 MW power output each. One is installed at Amaury Substation and the other at Henrietta Substation.

What is the second phase of CEB's Bess project?
The second phase of CEB's BESS project will involve the installation of 14MW BESSdeployed in four main substations: Jin Fei (4MW),La Tour Koenig (2MW),Anahita (4MW),and Wooton (4MW). This phase is expected to be completed within 12 months.

In this way, the cost projections capture the rapid projected decline in battery costs and account for component costs decreasing at different rates in the future. Figure 3 shows the resulting utility-scale BESS future cost projections for the ...

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