



How many stations are connected to the grid by the Dubai communication base station inverter

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How many transmission substations are there in Dubai?

"The total number of transmission substations across Dubai reached 382 by the end of June 2024. This includes 27 400 kV substations and 355 132 kV substations. There are 31 132 kV transmission substation under construction, and DEWA is reviewing financial proposals for six new 132 kV transmission substations.

Where are the new transmission substations commissioned in Dubai?

The new transmission substations were commissioned in Al Thanya 3, Al Barsha South 4, Wadi Al Shabak, Nadd Hessa, International City Phase 2, Wadi Al Safa 5 and Umm Suqeim 3. Saeed Mohammed Al Tayer, MD & CEO, DEWA, said this supports DEWA's efforts to keep pace with the growing development and the steady urban expansion in Dubai.

How much does a 132 kV transmission substation cost in Dubai?

Image Credit: Supplied Dubai: Dubai Electricity and Water Authority (DEWA) commissioned new 132 kV transmission substations in the first half of 2024, with a conversion capacity of 1,200 megavolt-amperes (MVA) at a cost of Dh1.36 billion, it was revealed on Monday.

How many kV ground cables does DEWA have?

DEWA has also awarded projects to extend 132 kV ground cables to connect the new transmission substations to the main electricity transmission grid, with a total length of 25km and a total cost of up to Dh176 million.

Explore the Dubai Metro Blue Line with route details, stations, latest updates, and a complete map guide.

The executive noted that du has already deployed hundreds of 5G-A base stations while its plans for the whole country stipulate the deployment of thousands of base stations.

In 2014, DEWA developed its first Smart Grid strategy. In 2021, DEWA launched its updated Smart Grid Strategy up to 2035, transitioning the smart grid programmes into 6 themes. This helps expand smart ...

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for six new 132 kV transmission substations.

By the end of 2024, Dubai's power grid will include 360 operational 132kV substations, with 37 more under construction, and 27 high-voltage 400kV substations, with two more underway.

Further, it expanded a multi-application RF mesh network across Dubai to provide communication to about 4,200 distribution substations as well as to power other smart grid applications.

DEWA has also awarded contracts for ten new 132 kV substations across various Dubai locations, including Al Aweer 1, Umm Nahad 4, Al Manara, Umm Suqeim 2, Al Quoz Industrial 3, ...

Dubai Metro operates three comprehensive lines covering 131 kilometers with 78 stations, connecting major business districts, shopping centers, and residential areas across the emirate. The backbone ...

Dubai Electricity and Water Authority (DEWA) commissioned a record 924 new 11 kV distribution substations across Dubai in the first half of 2025, up from 558 in the same period in 2024, ...

Contracts have also been awarded for extending 132 kV ground cables to connect these new substations to the main electricity transmission grid, totaling 25 kilometers and costing up to ...

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