

## SolarInnovate Energy Solutions

# Dubai Electricity Base Station Planning



## Overview

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How many kV substations will be installed in Dubai in 2024?

HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), has announced the commissioning of 1,530 11 kV distribution substations across Dubai in 2024, reflecting an 8.2% increase over the previous year. DEWA Expands Energy Network with New Substations in Dubai .

How many substations are there in Dubai?

This expansion involved 1,070,670 man-hours of work, all adhering to the highest health and safety standards. By the end of 2024, DEWA reported 45,317 medium voltage substations (11 kV and 6.6 kV), underscoring the growth of Dubai's energy infrastructure in response to rising electricity demand driven by economic and urban development.

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 will Dubai improve transmission and distribution networks based on demand forecasts?

In line with the Dubai Economic Agenda D33 and the Dubai 2040 Urban Master Plan, we continue to enhance transmission and distribution networks based on electricity demand forecasts until 2030, considering the Emirate's demographic and economic growth.

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

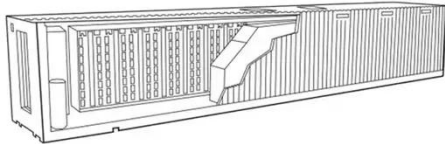
Al Safa 5 and Umm Suqeim 3. Saeed Mohammed Al Tayer, MD & CEO, DEWA, said this supports DEWA's efforts to keep pace with the growing development and the steady urban expansion in Dubai.

How will the Emirate improve its transmission and distribution networks?

The authority continues to enhance its transmission and distribution networks based on electricity demand forecasts up to 2030, considering the Emirate's demographic and economic growth.

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### Advanced electricity and water infrastructure is a key ...

May 20, 2022 · Through the 'Green Charger' initiative, DEWA currently provides more than 325 charging stations for electric vehicles across Dubai. It is working to increase this number to ...

### Dubai's ambitious plan: 112 power stations to rise in emirate ...

Mar 17, 2018 · The Dubai Electricity and Water Authority (Dewa) is working to build 112 stations worth Dh10 billion that will be come on stream over the next few years, its top official said on ...



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