



كربون دبي
DUBAI CARBON

هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



DUBAI 200MW PHOTOVOLTAIC PLANT

**CLIENT: DUBAI ELECTRICITY
AND WATER AUTHORITY (DEWA)**



PROJECT BRIEF

Dubai Electricity and Water Authority (DEWA) is developing a maximum of 200 MWAC output capacity photovoltaic (PV) power plant in Dubai, United Arab Emirates. It is one of the biggest strategic new IPP projects in the renewable energy market worldwide. The plant will reduce greenhouse gas emissions by displacing fossil fuel based electricity from the grid through electricity generation from solar radiation. The project will contribute to annual greenhouse gas (GHG) emissions reductions estimated at 208,177 tCO₂ approximately which amounts to a total of 1,457,245 tCO₂ approximately for the first crediting period of 7 years (renewable up to 3 times). Dubai Carbon is supporting DEWA in registering the project with UNFCCC for generating carbon credits.

PROJECT STATUS

Project Type:
Carbon Advisory
Project Duration:
18 months
Project Status:
Ongoing

Meet the Team:



Thomas
Bosse



Fazil Abdul
Rahiman



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CLIENT:

Dubai Electricity and Water Authority (DEWA) was formed on 1 January, 1992, by a decree issued by the late Sheikh Maktoum bin Rashid Al Maktoum to take over and merge the Dubai Electricity Company and the Dubai Water Department that had been operating independently for several years until then. Both these organizations were established in 1959 through the foresight and initiative of His Highness Sheikh Rashid bin Saeed Al Maktoum, the late Ruler of Dubai, as government-supported bodies with the objective of making available to the people of Dubai an adequate and reliable supply of electricity and water.

Today, after near about five decades, DEWA is an inspiring success story known for its efficiency and reliability in every facet of its operations. Constant planning and forecasting to meet the growing demands of the customer has always been DEWA's well-entrenched philosophy. Owing to this policy, DEWA has come a long way in serving the customers and thereby making its own contributions to the economic growth of Dubai. Today DEWA employ workforces of over 9,000 employees who constantly endeavor to see that both the quantity and quality of services provided are of the highest standards in consistency and reliability. In Dubai, DEWA provides over 600,000 customers with electricity and over 500,000 customers with water.

<http://www.dewa.gov.ae/default.aspx>

OUTCOMES/WORK PACKAGES:

- Developing and registering one of the largest CDM project in the region with UNFCCC
- International recognition for DEWA's solar ambition and efforts

PROJECT APPROACH:

- Prince 2 for Project Management
- UNFCCC methodologies, rules and references

EMISSION REDUCTION POTENTIAL:

Approximately 208,177
tCO₂e annually

CDM METHODOLOGY:

ACM0002 "Grid-connected
electricity generation from
renewable sources"