WORLD FUTURE ENERGY SUMMIT

It's Windy Out Here. The Grid Just Hasn't Noticed Yet.

GCC wind energy is entering a pivotal phase of development. While the region has historically focused on solar deployment, growing electricity demand, decarbonisation targets, and energy diversification strategies are bringing wind power into sharper focus. It's quietly building a billion-dollar energy market across the GCC.

With an estimated 100 GW of identified onshore wind potential, world-class project economics, and increasing investment in renewable infrastructure, the GCC presents a significant growth opportunity for developers, technology providers, manufacturers, EPC contractors, and investors.

These statistics highlight the scale of the opportunity and the market trends shaping the future of wind energy across the Gulf.

1 Renewables Now Represent More Than 15% of UAE Installed Capacity

2025 **15.3%**

2024 **14.3%**

STRATEGIC OPPORTUNITY
The energy transition is becoming a core component of national infrastructure planning, increasing opportunities for technology providers, utilities, and project developers.

2 UAE Renewable Energy Capacity Reached 7.91GW in 2025

STATISTIC

7.91GW 2025

6.85GW 2024

15.4% INCREASE

STRATEGIC OPPORTUNITY
As renewable deployment accelerates, demand is growing for storage, transmission infrastructure, forecasting, digitalisation, and asset management solutions.

3 ~100 GW of Onshore Wind Potential Identified Across the GCC

The GCC has an estimated **~100 GW** of attractive onshore wind resource potential.

Saudi Arabia represents the largest share of this opportunity.

STRATEGIC OPPORTUNITY
The region remains significantly underdeveloped relative to its wind resource base, creating long-term opportunities across project development, turbine supply, EPC services, operations and maintenance, digital solutions, and grid infrastructure.

4 Saudi Arabia Has Proven Utility-Scale Wind is Viable

The **400 MW**
Dumat Al Jandal Wind Farm
is the largest operational wind farm in the Middle East

STRATEGIC OPPORTUNITY
The successful delivery and operation of a utility-scale wind project under Gulf conditions reduces market-entry risk and strengthens investor confidence in future developments.

5 Wind Energy Has Achieved Globally Competitive Pricing in the GCC

STATISTIC
Saudi Arabia's Dumat Al Jandal project achieved a tariff of approximately

1.99 US cents/kWh

among the most competitive onshore wind tariffs globally at the time of award.

STRATEGIC OPPORTUNITY
Commercial competitiveness is increasingly supporting wind deployment alongside decarbonisation objectives, creating a stronger business case for developers, investors, and technology providers.

6 Global Wind Capacity Surpassed 1.29 TW in 2025

GLOBAL INSTALLED WIND CAPACITY

>1,291 GW 2025

+~159 GW NEW WIND CAPACITY ADDED

STRATEGIC OPPORTUNITY
The GCC is entering a market supported by mature technologies, global supply chains, proven financing models, and increasing investor appetite.

7 Renewables Account for Nearly Half of Global Power Capacity

2025 **5,149 GW**

=49.4% OF INSTALLED ELECTRICITY CAPACITY WORLDWIDE

STRATEGIC OPPORTUNITY
The global shift towards renewables continues to attract investment, innovation, and manufacturing capacity, creating favourable conditions for GCC market expansion.

8 The COP28 Momentum Continues to Drive Investment

Governments and industry continue to align with the COP28 ambition:

x3 GLOBAL RENEWABLE ENERGY CAPACITY ▶ **2030**

STRATEGIC OPPORTUNITY
Policy support, procurement programmes, and infrastructure investment are expected to accelerate renewable deployment across the GCC throughout the remainder of the decade.

SOURCES:

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