China Solidifies Position as Global Leader in Renewable Energy Production

China continues to assert its dominance in the global renewable energy sector, according to the latest report from the Global Energy Monitor (GEM). The report reveals that the Asian giant is constructing renewable energy capacity—specifically wind and solar—at a pace unmatched by the rest of the world, doubling the efforts of all other countries combined.

China currently has 180 gigawatts (GW) of solar energy and 159 GW of wind energy under construction, totaling an impressive 339 GW. To put this into perspective, this capacity is sufficient to power the entire nation of South Korea, the world's 14th largest economy. In comparison, the United States, another major player in renewable energy, has only 40 GW of renewable infrastructure under construction.

Over the past year, between March 2023 and March 2024, China installed more solar energy than it did in the previous three years combined, surpassing the total installed capacity of the rest of the world in 2023 alone. Looking ahead, China is on track to reach 1200 GW of installed wind and solar capacity by the end of 2024, a milestone originally projected to be achieved six years later.

These developments underscore China's leadership in the renewable energy sector, even as it faces criticism from Washington and Brussels. Western leaders have accused Beijing of unfair competition in the renewables market and of creating an "industrial overcapacity" in solar panel manufacturing.

China's aggressive expansion in renewables aligns with its broader environmental goals, which include reaching peak carbon emissions before 2030 and achieving carbon neutrality by 2060. However, GEM notes that China's heavy reliance on coal means that even more renewable capacity will be necessary to meet its ambitious emission reduction targets.

As China pushes forward with its renewable energy agenda, the global landscape of energy production is being reshaped, with significant implications for the future of sustainable power.

Suite 2303, Huaihai China Building 885 | Ren Min Rd | China.
info@gwa-asia.com
+86 (0)21.33070001