

FEATURE STORY

Renewable Energy Hits Record 40% of Global Power in 2025

In a landmark achievement for the global energy transition, renewables accounted for more than 40% of total electricity generation in 2025, driven by unprecedented growth in solar and offshore wind capacity. This milestone surpassed projections by two years, signalling a decisive acceleration in the clean-energy shift across all major economies.

TECHNOLOGY

Solid-State Batteries Finally Go Commercial

Three major manufacturers announced production-ready solid-state cells this quarter, promising twice the energy density of lithium-ion at competitive cost. Volume shipments are expected by Q4 2025.

POLICY

G20 Nations Agree on Carbon Border Tax Framework

After two years of negotiation, G20 finance ministers endorsed a harmonised carbon border adjustment mechanism set to take effect in January 2026. Analysts predict significant shifts in trade patterns for carbon-intensive industries.

The energy transition is no longer a question of if - it is a question of how fast.

- Dr. Amara Osei, IRENA Director General

40%

Renewables share

\$2.8T

Global clean investment

180M

EVs on the road

-18%

Carbon intensity drop

IN BRIEF

Story

EU mandates heat-pump installations in all new builds from 2026

Category

Policy

Story	Category
Ocean thermal energy conversion pilot exceeds efficiency targets	<i>Technology</i>
Green hydrogen production costs fall below \$2/kg for first time	<i>Energy</i>
Antarctica ice-shelf monitoring network expanded to 400 sensors	<i>Climate</i>
Vertical farming sector attracts record \$9B in 2025 investments	<i>Agriculture</i>
New global biodiversity treaty signed by 134 nations	<i>Conservation</i>

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