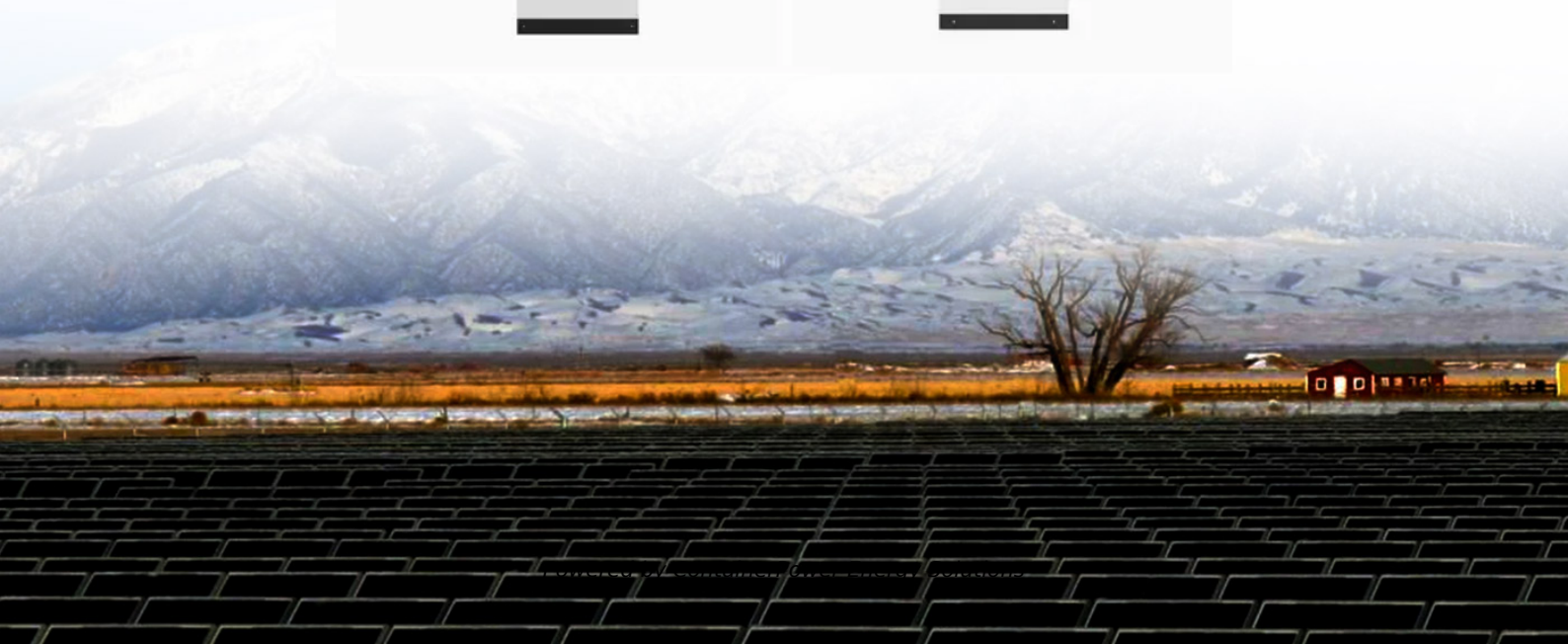


## ContainerPower Energy Solutions

# Industry Trends in Wind Solar and Energy Storage



## Overview

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Deloitte's Renewable Energy Industry Outlook draws on insights from our 2024 power and utilities survey, along with analysis of industrial policy, tech capital, new technologies, workforce development, and carbon management, to understand how the new competitive landscape may drive renewables.

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Demand growth is a rising tide that lifts all boats, and it especially lifted renewable ones in 2024. Renewables were already buoyed by record public and private investment in, and demand for, clean energy that set the stage for continued growth in 2024. 1 Utility-scale solar and wind capacity.

FFI Solutions has released its comprehensive Global New Energy Technologies Outlook 2025, authored by Drew Haluska, CFA, Senior Energy Transition Analyst. This essential report provides institutional investors and energy sector stakeholders with critical insights into the evolving clean energy.

The World Economic Forum's Advanced Energy Solutions community helps the energy technology community cooperate and accelerate the deployment of new energy technologies. Geopolitical tensions, shifting policies and economic uncertainty are reshaping the landscape of energy investment. The recently.

Storage demand continues to escalate, driven by the pressing need to decarbonise economies through renewable integration on the grid and by load increases from data centre demand, manufacturing and increased electrification. In this dynamic environment, staying abreast of the latest market trends.

As we approach 2025, the renewable energy sector is set to undergo transformative changes driven by advancements in technology, policy, and a growing demand for cleaner power. This article explores the emerging renewable energy trends for 2025, providing insights into the challenges,

opportunities.

headwinds. The International Energy Agency calculated that global energy investments exceeded \$3 trillion<sup>1</sup> for the first time, with a record-breaking \$2 trillion (or almost 70%) flowing into renewables, EVs, and technologies. Infrastructure and storage upgrades have also surged as more renewable. What are the key trends shaping energy technology investment in 2025?

Global energy investment in renewables, nuclear, grids, storage, low-emissions fuels, efficiency and electrification is set to increase in 2025 to \$2.2 trillion according to World Energy Investment 2025. Here are the key trends shaping energy technology investment in 2025: 1. Security, cost and jobs.

Is China entering a new era of energy storage demand?

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy storage capacity. However, the Chinese market is entering an era of change.

Which emerging markets will lead the storage industry in 2025?

In Latin America, momentum was built as storage deployments increased by 42%. In 2025, emerging markets for storage will be on the rise. Saudi Arabia will lead the charge, fuelled by its expansion of solar and wind generation.

What is a key renewable industry trend in India?

More urgent. "A key renewable industry trend in India is the rapid expansion of solar energy, driven by ambitious targets to achieve 500 GW of renewable capacity.

Which sectors are most involved in solar energy?

Key trends. The majority of respondents (93.7%) are directly involved in or affiliated with solar energy, followed by those in the storage, wind, power distribution, and green hydrogen sectors. Responses came from various experience levels, with 74.9% having 5 to 15+ years in the industry.

What's going on in the energy sector?

Energy Intelligence notes that a significant wave of investment is pouring into renewable energy, electrification, and energy efficiency. Governments are

setting ambitious targets, with more than 80 countries now committed to net-zero goals.

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