

Success of renewables: fossil fuel electricity generation stagnates

Düsseldorf, 15 December 2025 – Renewable energies are growing faster than ever before: in the first three quarters of 2025, solar and wind power covered the entire global growth in demand – electricity generation from fossil fuels has stagnated for the first time since the pandemic. "This development is not only due to climate protection, but also to the economic efficiency of renewables", comments Patrick Lemcke-Braselmann, Co-CEO of the aream Group.

According to analyses by energy consulting firm Ember, 2025 is the year in which the growth of clean energy worldwide will keep pace with rising electricity demand and fossil fuels will see no growth for the first time since the Covid-19 pandemic. Between January and September, global solar power generation increased by 498 terawatt hours (TWh) – a record figure representing a 31 per cent increase over the previous year. This means that solar power already exceeded its total production for the previous year within just nine months. Together with a moderate increase in wind power of 137 TWh (+7.6 per cent), the growth of both sources totalled 635 TWh: significantly more than the global increase in demand of 603 TWh (+2.7 per cent).

"This development is primarily driven by record growth in solar capacity", explains Lemcke-Braselmann. The result is a turning point in the global electricity market. The growth in renewable energies is now sufficient to cover the entire additional demand: "A decisive step on the road to decarbonising the electricity supply", says Lemcke-Braselmann.

The solar plants in the aream portfolio also performed well in November. In Spain, they achieved their targets almost exactly (99 per cent). In Germany, the target achievement rate was 96 per cent. "Although many hours of sunshine offered potential for better yields", explains Lemcke-Braselmann, "several days of snow on the modules reduced production. " Despite significantly below-average irradiation values, the plants in Italy delivered a stable performance, achieving 88 per cent of their targets.

In contrast, the German wind turbines in the aream portfolio suffered in November from weak winds that varied greatly from region to region, which significantly reduced yields. Only 76 per cent of the target value was achieved.

About the aream Group

aream Group, founded in 2005, is an investment and asset manager for institutional investors and industrial clients with a focus on sustainable infrastructure in the renewable energy sector. With its three divisions Fund and Asset Management, Project Development and Operation Management, aream covers the entire value chain for renewable energy investments. With a transaction volume of more than 2.5 billion euros, aream is one of the leading asset managers in this market, and its own portfolio of plants generates around 40 million euros worth of green electricity per year. Since 2008, aream has produced more than one billion kWh of green electricity. As part of the growth strategy, several solar and wind parks are to be realized or acquired in the coming years. Through its own project development alone, aream currently has a long development pipeline with great potential. Further information: www.arem.de.

**Contact**

AREAM Group SE

Kesselstr. 3

D-40221 Düsseldorf

Tel.: +49 (0)211 30 20 60 42

E-Mail: info@aream.de

Web: www.aream.de

Press Contact

news & numbers GmbH

Bodo Scheffels

Tel.: +49 (0)40 80 60 194 34

M: +49 (0)178 / 49 80 733

E-Mail: bodo.scheffels@news-and-numbers.de