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Press Release

EnergyCloud Germany Launches Project to Turn Surplus Renewable Energy into Free Heating for Households in the Frankfurt Region

Frankfurt / Rheingau-Taunus, Germany

EnergyCloud Germany has launched a new project in partnership with Amazon to turn surplus renewable energy into free heating for families in the Frankfurt Region. As Germany accelerates its transition to renewable energy, a new challenge is becoming increasingly visible: at times of high wind and solar generation, large volumes of clean electricity cannot be used and must be curtailed. At the same time, millions of people struggle with rising energy and heating costs and energy poverty. Addressing this paradox lies at the heart of the mission of EnergyCloud Germany, which is to redirect surplus renewable energy that would otherwise go to waste and use it to support households in need.

With this vision, EnergyCloud Germany has launched its first pilot project in the greater Frankfurt region, demonstrating how digital technology, strong partnerships, and existing heating infrastructure can work together to create both environmental and social impact. This has been made possible due to the support of Amazon, who have become the first partner for EnergyCloud Germany.

Strong Partnership for an Innovative Solution

The project is being implemented through a collaboration between Amazon, kwb Rheingau-Taunus and Electric Green Heating.

Each partner contributes essential expertise:

- **Amazon** supports the initiative as a key sponsor, enabling the expansion of the EnergyCloud concept in Germany and helping connect surplus renewable electricity with households in need. The company has a strong local presence in the Frankfurt region.
- **kwb Rheingau-Taunus**, a local housing company managing approximately 2,600 apartments, provides access to suitable residential units and works closely with tenants to implement the solution.
- **Electric Green Heating** is modernising old night storage heaters by replacing them with internet-connected SmartTherm storage heaters, ensuring seamless integration with the EnergyCloud platform so that heating devices can automatically charge when surplus renewable electricity is available in the future.

Local Impact in the Rheingau-Taunus Region

The pilot project is located in the Rheingau-Taunus-Kreis within the greater Frankfurt am Main area, a region well known as a major hub for energy infrastructure and data centres.

Since the start of the 2025 heating season, the project has been live and currently supplies 15 selected households. These homes benefit from **free heating**, when surplus renewable energy is available on the grid.

This first initiative demonstrates how existing building infrastructure can be transformed into a flexible energy resource, by reducing energy waste while directly supporting households facing energy cost pressures.

Voices from the Project Partners

Project partners emphasize both the social and technological importance of the initiative:

Ditmar Joest, Managing Director from kwb Rheingau-Taunus, said:

“This first project of EnergyCloud Germany helps to reduce energy bills for our tenants by using surplus renewable energy that would otherwise be wasted. We endorse the simple, yet powerful solution EnergyCloud provides to us and the homes in need.”

Sven Tetzner, Founder and Managing Director of Electric Green Heating, added:

“By connecting our SmartTherm storage heaters we install and operate for kwb Rheingau-Taunus to the EnergyCloud platform, we increase the value of the systems for tenants by providing free heat during times of energy surplus.”

Michael Hanisch, Head of Technology Germany at AWS:

“We’re proud to support EnergyCloud Germany in using surplus renewable energy to fight energy poverty and reduce energy waste. Technology can help create positive social impact by connecting clean energy generation with homes in need. We are proud to be the first partner for EnergyCloud Germany, building on our longstanding relationship with EnergyCloud in other countries.”

Christian Feißt, Chairperson of EnergyCloud Germany:

“By working together with Amazon, kwb Rheingau-Taunus and Electric Green Heating, we expand EnergyCloud into Germany. This cooperation will deliver great benefits at the household level and builds upon the work already achieved with Amazon in Ireland and England. We are looking forward to get in touch with more housing partners, utilities and grid operators to enlarge the footprint of EnergyClouds mission in Germany.”

A Model for the Future Energy System

By combining digital innovation, renewable energy integration, and social purpose, the EnergyCloud Germany pilot project represents a scalable model for addressing two critical challenges at once: reducing renewable energy curtailment and combating energy poverty.

As the energy transition progresses, initiatives like this show how collaboration across sectors can transform surplus electricity into tangible benefits for communities.

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