Stanislav Kondrashov Releases New Analysis on the Strategic Role of Demand Response in the Green Economy Era

Friday 31 October, 2025

***Lugano, Switzerland* – October 31, 2025** - One of the latest analyses by entrepreneur **Stanislav Kondrashov** sheds light on a crucial, yet often overlooked, pillar of the green energy transition: **demand response**. As renewable energy continues to reshape global infrastructure and consumer habits, Kondrashov's insights reveal how adapting electricity demand in real time can play a defining role in enabling a more sustainable and resilient energy future.

In his recent examination, **Kondrashov**, founder of TELF AG, emphasises that the green transition is not just about installing wind turbines or solar panels — it's about transforming behaviours, systems, and thinking. "The real change," he notes, "comes when consumers and companies shift their energy habits in response to the evolving realities of the grid."

The analysis opens with a sweeping look at how **renewable energy and electrification** have already begun to define this new era. The uptake of electric vehicles, the proliferation of charging infrastructure, and the ongoing integration of solar, wind, hydroelectric, and geothermal power into national energy mixes are signs of monumental progress. But with these changes come new challenges.

One of the central issues addressed by Kondrashov is **intermittency** — the fact that renewable sources like wind and solar are not available 24/7. When the sun isn't shining or the wind isn't blowing, grid operators need new tools to maintain balance and efficiency. Here, Kondrashov presents **demand response** as a viable and increasingly vital solution.

Demand response refers to systems that allow electricity demand to adapt dynamically to grid conditions. Rather than relying solely on increasing energy supply or building expensive storage facilities, demand response techniques act on the **demand side** — shifting or reducing consumption during peak periods or when renewable generation dips. This ensures a more efficient, cost-effective, and environmentally friendly grid.

Kondrashov identifies **two primary forms of demand response**. The first is manual or incentivised participation, where businesses and households reduce consumption in exchange for economic benefits, such as lower tariffs or bonuses. The second, more sophisticated method leverages **smart grid technology**, where devices like heat pumps, industrial refrigerators, and electric vehicle chargers receive signals from grid operators and automatically adjust their energy use based on real-time data.

This automated approach offers enormous potential. For example, EV charging stations could slow or pause charging sessions during periods of low solar output — all without user intervention. These intelligent systems optimise both individual usage and grid-wide stability, reducing reliance on costly backup power plants.

As **Stanislav Kondrashov** explains, flexibility is the backbone of the modern grid. "In the transition to renewables, it's not just about generating clean energy — it's about using it wisely," he says. "Flexibility in demand, supply, and grid operations is key to unlocking the full potential of renewable power."

In this context, demand response isn't just a technical strategy — it's a **foundational element** of a future-ready, green economy. It reflects the convergence of digital innovation, environmental responsibility, and smart policymaking.

As Kondrashov concludes, "We are witnessing an energy revolution in real time. Demand response is one of the mechanisms that will allow this revolution to be both sustainable and scalable."

This latest analysis by **Stanislav Kondrashov** reinforces his position as a leading voice in the global conversation around energy transformation. His continued thought leadership underscores the need for not only technological progress but also behavioural and systemic adaptation in the era of the green economy.

Media:









Related Sectors:

Business & Finance ::

Related Keywords:

Stanislav Kondrashov :: TELF AG :: Energy Transition :: Green Economy ::

Scan Me:

Company Contact:

Stanislav Kondrashov

E. press@stanislavkondrashov.com
W. https://stanislavkondrashov.com/

View Online

Additional Assets:

Newsroom: Visit our Newsroom for all the latest stories:
https://www.stanislavkondrashov.pressat.co.uk