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Title: Common models of new energy industrial and commercial energy

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What are the business models in the energy sector?

According to the traditional idea of business models in the energy sector, an energy company performs all types of activity within the sectoral value chain in three dimensions (Figure 2). Electricity (the main product) is transmitted only in one direction: from the source to 'passive' consumers, who pay for it according to the tariffs.

Can business model design options be adopted in energy communities?

This study presents a morphological analysis of 90 energy communities and pioneering companies that apply business model design options that can be adopted in energy communities. The sample was selected based on implementation examples focusing on community solutions, a multivector energy approach, or a combination of both.

What is the typology of energy community business models?

First, the typology of energy community business models is one of the first contributions to the academic literature regarding a business perspective on energy communities. The typology offers a conceptual frame that can capture the complex nature of energy communities and is suited to supporting business model innovation.

Why is improving business models important in the energy industry?

The relevance of the problem of improving business models in the energy industry has become especially acute in recent years due to the energy transition, the emergence of new energy production and consumption technologies, and the increase in environmental requirements for energy companies' performance.

In terms of segments, generators focus on new energy distribution and storage (81%), grids on independent energy storage (89%), and consumers on industrial and commercial ...

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We explore the potential of large language models-assisted decision-making and the energy-AI-industrial multidisciplinary nexus.

a focus on clean energy procurement and closer matching of power supply and demand to move towards a 24/7 clean power consumption strategy.

New-energy models As the share of renewables in the energy mix increases, energy storage solutions and grid management services will be critical to manage intermittency in renewable ...

The pace of digitalisation in the energy sector has accelerated rapidly in recent years, leading to a transformation of many traditional business models. Thanks to innovative technologies ...

New energy businesses need an operating model combining the strengths of an incumbent with the agility needed to succeed.

Comprehensive guide to commercial renewable energy systems, costs, financing, and implementation. Expert insights on solar, wind, and storage for businesses.

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