

The Canadian oilsands sector is at a crossroads. With global energy markets in flux and capital discipline driving consolidation, the hostile takeover bid for MEG Energy by Strathcona ...

EU-US Trade Deal: More Than Just a Tariff Cap - A Shifting Strategic Game Brussels - Let's be honest, the initial announcement of the EU-US trade agreement felt a bit like a lukewarm cup ...

Modelling BESS characteristics is vital for grid applications, as rated power and energy capacity influence grid interaction and energy-shifting capabilities. Charging and discharging affect ...

The largest collection of 2,000+ Type Ia supernovae, the Supernova Cosmology Project's Union3 dataset, is questioning theories using AI-powered analysis, bringing scientists closer to solving ...

Investment Thesis: A Hybrid Model for the Transition Era Equinor's strategic differentiation lies in its ability to navigate the energy transition without sacrificing financial performance. Unlike ...

The electricity-heat integrated energy system is shifting to a distributed architecture that integrates multiple energy clusters to maximize the utilization of local energy resources, such as solar, ...

Extreme Weather Events: - Climate change exacerbated by industrial activities is increasing the frequency and intensity of extreme weather events such as heatwaves, droughts, floods, and hurricanes [2] [3]. Efforts to ...

The trend reflects shifting political priorities in Europe as some member countries have scaled back green measures or support for clean energy from budgets stretched by spending on defence and ...

As supply chains adapt to the shifting geopolitical landscape, liquefied natural gas (LNG) is emerging as a critical buffer. It promotes energy security by enabling rapid response to supply shocks. By displacing carbon-intensive fuels like coal ...

The so-called luminescent down-shifting (LDS) presents a practical solution by converting high-energy UV photons into visible light that can be efficiently absorbed by sensitizer dyes. Herein, ...

Conclusion The fossil fuel industry's retreat from climate accountability is a symptom of a broader conflict: the tension between entrenched interests and the urgency of decarbonization. For ...

The World's Oil Cartel Blinks First in the Great Energy Transition - Planetary Signals Brief #3 The world is shifting--irreversibly--from fossil-fuelled industrialism to planetary-scale regeneration. ...



Energy shifting

Electrification is essential for sustainability. Heat pumps and electric cars have lower energy losses compared to the fossil fuel-based alternatives. They increasingly use green electricity, ...

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Energy Transition Research at OIES focuses on the trends shaping energy systems, transformations in behaviours and business models, and the implications of shifting from the existing hydrocarbon-dominated energy ...

Valero Energy's Q2 2025 earnings report, released on July 24, 2025, offers a compelling case study in strategic resilience. Amid a backdrop of declining refining margins and renewable ...

Water-insensitive NIR-I-to-NIR-I down-shifting nanoparticles (WINPs) enable low-power, high-sensitivity virus detection in opaque samples by overcoming water-induced quenching and ...



Energy shifting

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