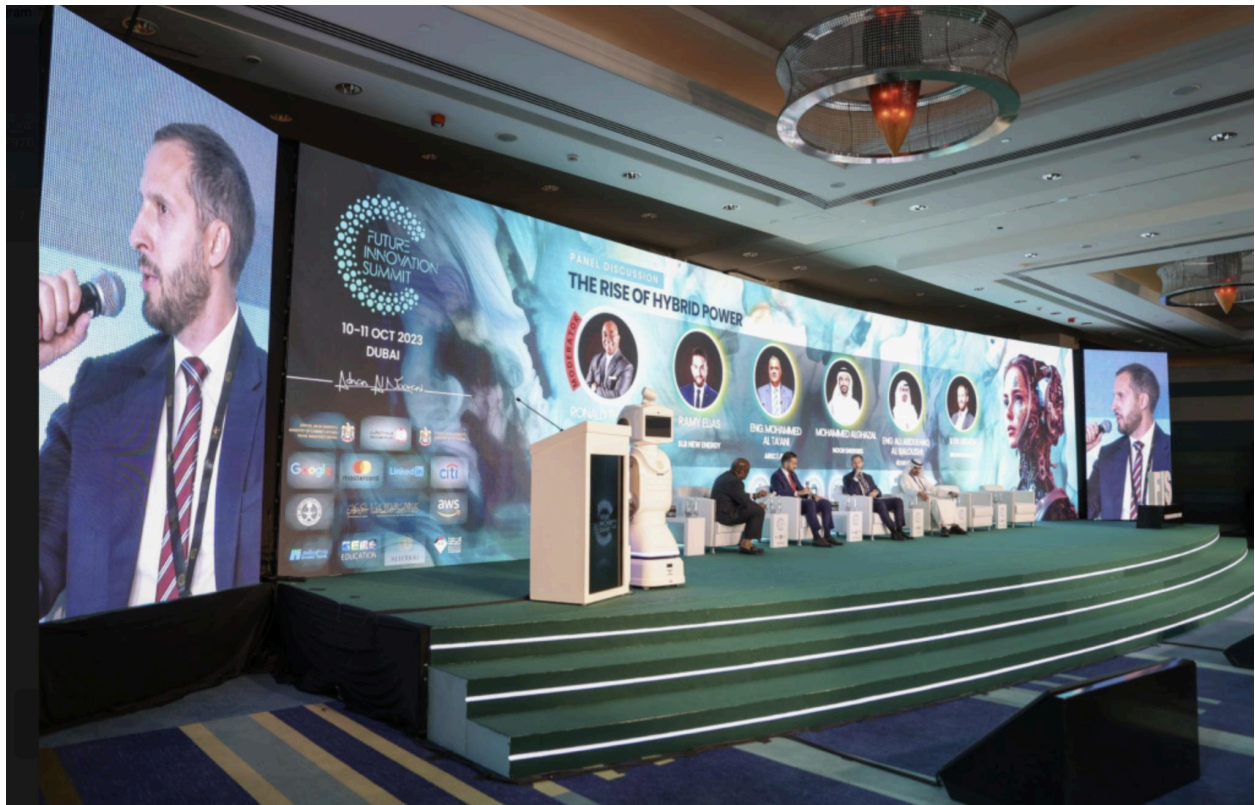




Ilya Likhov Shares Insights on Hybrid Power at Dubai Future Innovation Summit

Ilya Likhov, the CEO of Neosun Energy, recently took center stage at the prestigious Future Innovation Summit held in the United Arab Emirates. Likhov's pivotal role in a panel discussion titled "The Rise of Hybrid Power" offered invaluable insights into the evolving landscape of hybrid energy.

This summit, a meeting ground for visionaries and thought leaders, provided a platform to explore emerging technologies and their transformative effects on various industries. Likhov's contributions were nothing short of visionary, providing essential perspectives on key aspects of hybrid power and its future implications.



Revolutionizing Energy Sources

One of Likhov's key insights addressed the ongoing global transition from traditional large-scale energy generation to micro-distributed energy solutions. This paradigm shift tackles the inefficiencies of supplying power to small, remote facilities located far from central power generators. Solar energy, heralded for its cost-effectiveness, plays a pivotal role by enabling kilowatt-level power generation virtually anywhere on the planet. Furthermore, hybrid power systems extend the reach of reliable electricity to remote and off-grid areas, effectively reducing the dependency on expensive grid infrastructure while fostering economic development in underprivileged regions.

Global Market Dynamics

Likhov highlighted the regional disparities in hybrid power dynamics. While Europe concentrates on ensuring energy sustainability and refining existing energy solutions, Africa prioritizes the implementation of hybrid power in remote regions deprived of energy access.

Regulatory Frameworks

Likhov provided valuable insights into the diverse regulatory frameworks governing hybrid power worldwide. While Europe boasts a well-established and formalized regulatory environment, certain Commonwealth of Independent States (CIS) countries encountered bureaucratic challenges until recently. Although these nations theoretically permit hybrid power on paper, the absence of the requisite institutions to grant essential permissions has posed substantial challenges.

Cutting-Edge Technologies

To stay at the forefront of this rapidly evolving landscape, Likhov emphasized the critical importance of advanced energy storage, particularly high-capacity batteries. Additionally, he underlined the significance of monitoring advancements in battery technology, including higher energy density, faster charging, and longer lifespan, which collectively enhance the reliability and performance of hybrid systems. Artificial intelligence (AI) and machine learning were identified as powerful tools capable of optimizing hybrid power systems by predicting energy demand, optimizing energy production, and identifying real-time maintenance needs.

Strategic Business Approach

Likhov recommended a strategic business approach for organizations transitioning to hybrid energy. He urged them to consider outsourcing expertise, expediting technology implementation. This

pragmatic approach reduces the time-consuming process of adapting large corporations to evolving technologies, ensuring agility in a dynamic landscape.

Ethical Considerations

Likhov introduced the concept of “energy justice” as an ethical imperative to ensure fair and equitable energy system distribution. Stressing the origins of hybrid energy solutions in addressing crises in remote regions far from primary energy sources, he emphasized the importance of strategic implementation. Energy justice calls for prioritizing areas in dire need rather than focusing solely on profitability, necessitating the adoption of Environmental, Social, and Governance (ESG) policies by corporations, NGOs, and governments, akin to South Africa’s incentives that guarantee remote regions access to power.

Impact on Consumers

Hybrid power systems promise substantial benefits to individual consumers, including cleaner microgrids supporting industrial processes and averting production downtime during blackouts. Integration of green power mitigates emissions, reduces carbon footprints, and lessens the environmental impact, promoting a more sustainable power industry. Additionally, by harnessing renewable energy sources such as solar panels and wind turbines, hybrid systems significantly lower electricity bills for homeowners and businesses.

Consumer-Level Solutions

Consumer-level hybrid power solutions encompass an array of options, including rooftop solar panels, residential wind turbines coupled with backup generators, and the integration of electric vehicles (EVs) with home solar systems. Solar carports equipped with panels, for instance, charge EV batteries during the day, reducing reliance on grid electricity for transportation.

Future Landscape

As Likhov looked ahead, he projected a future characterized by AI optimization and a proliferation of IoT and IIoT devices, fundamentally reshaping the hybrid power landscape. The anticipated surge in internet-connected devices, from the current 10 billion to an estimated range of 50 billion to nearly 1 trillion in the next decade, will drive decentralized power distribution, propelling further advancements in the hybrid power ecosystem.

About Neosun Energy

[Neosun Energy](#) is an international Solar EPC company that provides Commercial Solar PV & Energy Storage Solutions (ESS) with capacity from 200kW to 10MW for Commercial and Industrial projects Worldwide. The company constructs solar power plants and energy storage systems (ESS) on a turn-key basis, covering all stages of construction including design, equipment supply, construction, and commissioning. The company has implemented solar PV projects in 16 countries worldwide.

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