



## Neosun Energy Makes Waves at Pakistan Sustainability Week

**At the end of February, the Neosun Energy team participated in the grand international exhibition Pakistan Sustainability Week, bringing together over 175 eminent global companies from 15 countries. The exhibition welcomed CEO Ilya Likhov, who actively engaged in a conference, contributing invaluable perspectives into the potential for solar energy development in the region.**

Pakistan is currently on the brink of significant changes in the energy sector. According to the updated Renewable Energy strategy, the government of Pakistan plans to obtain 60% its energy from renewable sources by 2030, reducing Pakistan's reliance on imported petroleum products. More businesses and industries in Pakistan are resorting to captive solar solutions as a result of increased power prices and an unstable grid supply. However, the situation is still far from ideal at present.

According to the National Electric Power Regulatory Authority's (NEPRA) 2021 yearly report, Pakistan's total installed power production capacity is 39,772 MW, with thermal (fossil fuels) accounting for 63% of energy, hydro accounting for 25%, renewable (wind, solar, and biomass) accounting for 5.4%, and nuclear accounting for 6.5%. Renewable energy resources have the potential to help close the shortfall in the current scenario.

Neosun Energy CEO Ilya Likhov presented his expert vision for the further development of renewable energy in Pakistan, which could allow the country to take a significant step forward.

"What we see now, we see the shift from huge utility scale projects to microgrids and hybrid solutions. And I'm sure that in the next 10 or 15 years, this shift will increase. The Pakistani market holds immense potential. Many companies are located far from major cities and infrastructure, yet they all require electricity. Hybrid solar power stations enable access to electricity anywhere, even in remote and mountainous regions – a solar station can be installed there to provide electricity access. This could boost economic development, including in remote areas of Pakistan" – says Ilya Likhov.



Recently Neosun Energy has opened a new office in Pakistan to provide commercial consumers with access to advanced energy solutions.

*The solutions and products provided by Neosun Energy are proving to be invaluable aids for business projects, including those located in remote areas. One such example is the construction of a power station in Yemen, where a Solar Power Plant for Agricultural Water Pumping Station was erected. The company installed 1848 NEOSUN Energy PV Panels with a total capacity of 582 kWp to fulfill water consumption needs through the electrification of irrigation pump systems. This serves as a compelling example of the indispensable role of solar energy in certain circumstances.*

At the conference in Pakistan, Ilya Likhov emphasized the importance of advancing not only solar panel production but also battery technology. He also believes that the next stage of industry development will involve artificial intelligence.

“Hybrid energy entails more than just solar panels. Battery storage is a critical component of the system. I am confident that in the coming years, the market for energy storage solutions will continue to grow. The potential of the energy storage market is no less than that of solar panels”, – shares Ilya Likhov. –

The next advancement will be in the realm of artificial intelligence and machine learning. Artificial intelligence can optimize hybrid systems, making them more efficient by providing real-time information about current demand and improving overall system efficiency. Therefore, all three components – affordable solar energy generation, energy storage solutions to meet demand, and artificial intelligence for system optimization – will see an increase.

### **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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