



АКЦИОНЕРНОЕ ОБЩЕСТВО
«СИСТЕМНЫЙ ОПЕРАТОР
ЕДИНОЙ ЭНЕРГЕТИЧЕСКОЙ СИСТЕМЫ»

17 October 2025

SO UPS Chair presents trends and advanced technologies in power industry at REW-2025 in Moscow

In October 2025, during the international “[Russian Energy Week 2025](#)” forum, SO UPS Chairman of the Management Board Mr. Fedor Opadchiy presented the key trends in the electric power industry development and advanced technologies for the power system operation.

Held annually, REW is a key international platform for discussing current issues in the development of the fuel and energy sector, interregional cooperation, and the establishment of international relations in the field of energy. REW-2025 featured Deputy Minister of Energy of the Russian Federation, executives of leading industry entities, engineers, and scientists.

Mr. Opadchiy outlined key trends in the digital transformation of the power sector, noting that modern operational and dispatch control systems leveraging real-time data on actual grid conditions, rather than relying solely on equipment nameplate specifications, enable a 15–20% increase in transmission capacity by accurately identifying maximum permitted power flows in the bottlenecks. The technology has already been implemented across approximately 500 controlled cross-sections, enhancing the utilization of low-cost generation and reducing outage risks.

He emphasized the rising value of system flexibility amid the rapid growth of renewables and peak load, highlighting that falling costs of automation and communications now allow even small and medium consumers to provide balancing services. This positions ‘flexibility’ as a critical grid resource. Mr. Opadchiy also described the ongoing pilot DR program and strategic partnership with large consumers like data centers to integrate new loads efficiently and avoid excessive infrastructure investment.

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