



АКЦИОНЕРНОЕ ОБЩЕСТВО

«СИСТЕМНЫЙ ОПЕРАТОР
ЕДИНОЙ ЭНЕРГЕТИЧЕСКОЙ СИСТЕМЫ»

12 May 2026

SO UPS and RusHydro deploy first-ever Remote Control Center for small hydropower plants

The North Caucasus Regional Dispatch Office (North Caucasus RDO, a branch of SO UPS) and RusHydro have successfully completed a pilot project to establish a consolidated control center for a group of small hydropower plants (SHPPs) in the Karachay-Cherkess Republic.

The project encompasses the Krasnogorskaya SHPP (installed capacity 24.9 MW), the Pravokubanskaya SHPP (24.9 MW) and the Ust-Dzhegutinskaya SHPP (5.6 MW) with a combined capacity of 55.4 MW.

The project enables direct remote control of operational modes for all three SHPPs via the Small Hydropower Control Center of RusHydro's Karachay-Cherkess branch and the North Caucasus RDO Dispatch Center. Following comprehensive performance testing, the facilities have been confirmed fully ready for operation.

Key technical solutions and operational protocols prepared by SO UPS and RusHydro have laid the regulatory groundwork for deploying similar control centers in the near future. The project scope included modernization of Automated Process Control Systems, integration of information systems and enhancement of cybersecurity measures. The successful implementation of the project paves the way for operating SHPPs without requiring continuous on-site presence of operating staff.

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