

# Electricity and renewable energy sources



## Head of the department

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The department was founded in 2004 when the departments "Electrotechnology, operation and repair of electrical equipment" and "Electric power supply and electric drive" were merged. The department "Power supply and electric drive" was separated from the department of "Electrical Engineering", then it was renamed and carried out its work under the names "Production and distribution of electric energy", "Electricity supply of the water sector", "Electric power supply and electric drive". The department "Electrotechnology, operation and repair of electrical equipment" was separated in 1979 from the department "Electric drive and application of electric energy" under the name "Application of electric energy in agriculture". In 2001 it became known as "Electrotechnology, Operation and Repair of Electrical Equipment" At the department defended doctoral dissertations: A.R. Radzhabov, A.M. Mukhammadiev, M.I. Ismailov, P.M. Musabekov, H.M. Muratov and each of them created a scientific school. In the scientific school of the department, M. M. Egamberdiev's Candidate's theses, I.N. Belokovsky, I.D. Tashev, M.I. Ibragimov, Sh.M. Muzafarov, AD Rakhmatov, TM Bayzakov, NT Tashpulatov, AS Berdishev, A.Z. Isakov, O.T. Akhmedov, A. Bakiev, I. Nuritov, A.D. Rakhmatov, Abdulla Said Murshed, Rabbabah A., May Van Huang and others. The department carries out research work on the topics: "Modernization of technological processes using discharge processes of strong electric fields", "Optimum operation of electrical equipment of pumping stations", "Saving and saving electric energy", "Increasing active capacity and compensation of the active power", which are one of the urgent and topical problems of the country's agriculture and water management. In 2010, O. Primov defended his thesis. In 2011, associate professors Sh.M.Muzafarov and A.I. Isakov reported their doctoral dissertations at a scientific and technical seminar. The department conducts classes on the educational direction of the bachelor degree 5310200 - "Electric Power Engineering (in the Water Economy)" and on the specialty of the Magistracy 5A310200 - "Power Supply (in the Water Economy)". The department established scientific and creative relations with the Tashkent State Agrarian University, the Research Institute of Energy and Automation of the Academy of Sciences of the Republic of Uzbekistan, UZSUVLOYIKHA OJSC, the UZBEKENERGO DAK, the unitary enterprise of the Kadyria HPP cascade, QISNLQENERGOLOYIXA, the unitary enterprise of the Chirchik HPP cascade, HPP Middle Chirchik, unitary enterprise of the cascade of HPP of Tashkent city, Tashkent enterprise of central backbone electric grids, Tashkent Turin Polytechnic Institute. Currently, at the department, under the

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guidance of Associate Professor N.T. Tashpulatova, professors AR Rajabov, associate professors Sh.Muzafarov, A.D. Rakhmatov, senior teachers R.Yunusov, L.A. Batyrova, assistants A.T.Sanbetova, A.A. G. Babayev, O. G. Kalichev, G. Ergasheva. Relations with the decree of the PD -3003 On May 25, 2017, the President of the Republic of Uzbekistan, the department "Electricity supply and operation of electrical equipment" was renamed to "Electricity and renewable energy sources".

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[Faculty of Energy supply of agriculture and water resources](#) [Subjects taught at the department](#) [Scientific works](#) [Researchers](#) [Partnership activities](#) [The staff](#) [Clubs](#) [Timetable of classes](#) [Contacts](#)