



Ensure access to affordable, reliable, sustainable and modern energy for all.

LEARNING AND STUDENTS

Keeping traditions

Traditionally, INRTU is the leading university in the region, producing top-class specialists in electrical and thermal power engineering. The University continues the tradition of energy education since 1963, constantly improving, maintaining the relevance and demand for educational programs. Modern methods and technologies of energy saving, energy efficiency and energy auditing are the conceptual benchmark for more than 30 undergraduate, graduate and postgraduate engineering education programs for Russian and foreign students in Russian and English.

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RESEARCH

Wide range of research studies

The university conducts research in various areas of energy. research laboratories on energy efficiency of buildings and engineering systems have been created and are successfully operating. Scientists and researchers of the university persistently study the possibility of using clean and affordable energy sources, as well as increasing the efficiency of energy consumption, taking into account the specifics of the region. In the category "Affordable and Clean Energy" performed 65 scientific research and SCOPUS publications.



Student scientific society

Among all research laboratories there is a student scientific society 'Carbon', which unites students and employees of industrial enterprises capable of scientific research, exhibiting a tendency to research and creative work, interested in raising their intellectual and cultural level, aspiring to deep professional knowledge both in individual subjects and in the field of modern technologies.



PUBLIC ENGAGEMENT

Popularization of knowledge

NRTU actively promotes the ideas of energy efficiency and energy saving outside the university by participating in all-Russian and international events, conferences and forums. The university also independently organizes environmental education events for young people and schoolchildren and stimulates their interest in learning about electricity and energy saving.



OPERATIONS

Energy efficient actions

The university has adopted and is actively implementing its own energy efficiency policy. The rules are aimed both at identifying and eliminating sources of heat and energy loss, and at preventing potential risks of energy inefficiency. A centralized energy monitoring and control system has been implemented at all facilities on the university campus. Saving devices are being introduced that regulate heat supply in winter depending on the outside temperature; classic energy-consuming lighting fixtures are being replaced with economical LED fixtures; and motion sensors are being installed to save energy when people are not present.

