



LEARNING AND STUDENTS

Study programs

Traditionally, Irkutsk National Research Technical University 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.

Training and research laboratories

Training and research laboratories for practical mastering of energy management and conservation technologies allow students to master both theoretical knowledge and sharpen basic professional skills.

Extensive practice at leading energy enterprises in the region allows students to maximize their skills in managing energy efficiency systems.



RESEARCH

Research on affordable and clean energy

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.

iPolytech seminar

A specialized regional seminar on energy "iPolytech seminar" has been started this year. 65 scientific researches publications in the category "Affordable and Clean Energy" have been carried out at SCOPUS journals.

The results of such studies are widely discussed at the international level, confirming their relevance and significance.



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PUBLIC ENGAGEMENT

INRTU 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](#).



INRTU events for youth

The University also independently organizes environmental education events for young people and schoolchildren and stimulates their interest in learning about electricity and energy saving.

High school students are invited by the University to undergo specialized training for admission to INRTU through the development of the "Successful Applicant" program, whose graduates go on to study at the University's energy specialties.

For [students of secondary professional engineering education INRTU organizes special excursions to](#) the University laboratories.



Science 0+ Festival

Having a promoting of science for the region's residents of all ages as a main goal, the annual [Festival "Science 0+"](#) was launched, brightly demonstrating the attractiveness of science for children and schoolchildren, as well as including sessions and discussions of topical problems of clean energy in the region.



OPERATIONS

Energy efficiency policy

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.

In 2022, the university adopted a [regulation to comply with current energy efficiency requirements](#) for new construction on campus and other university facilities. This will allow for the initial incorporation of clean energy principles in the design of new buildings and facilities.

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.