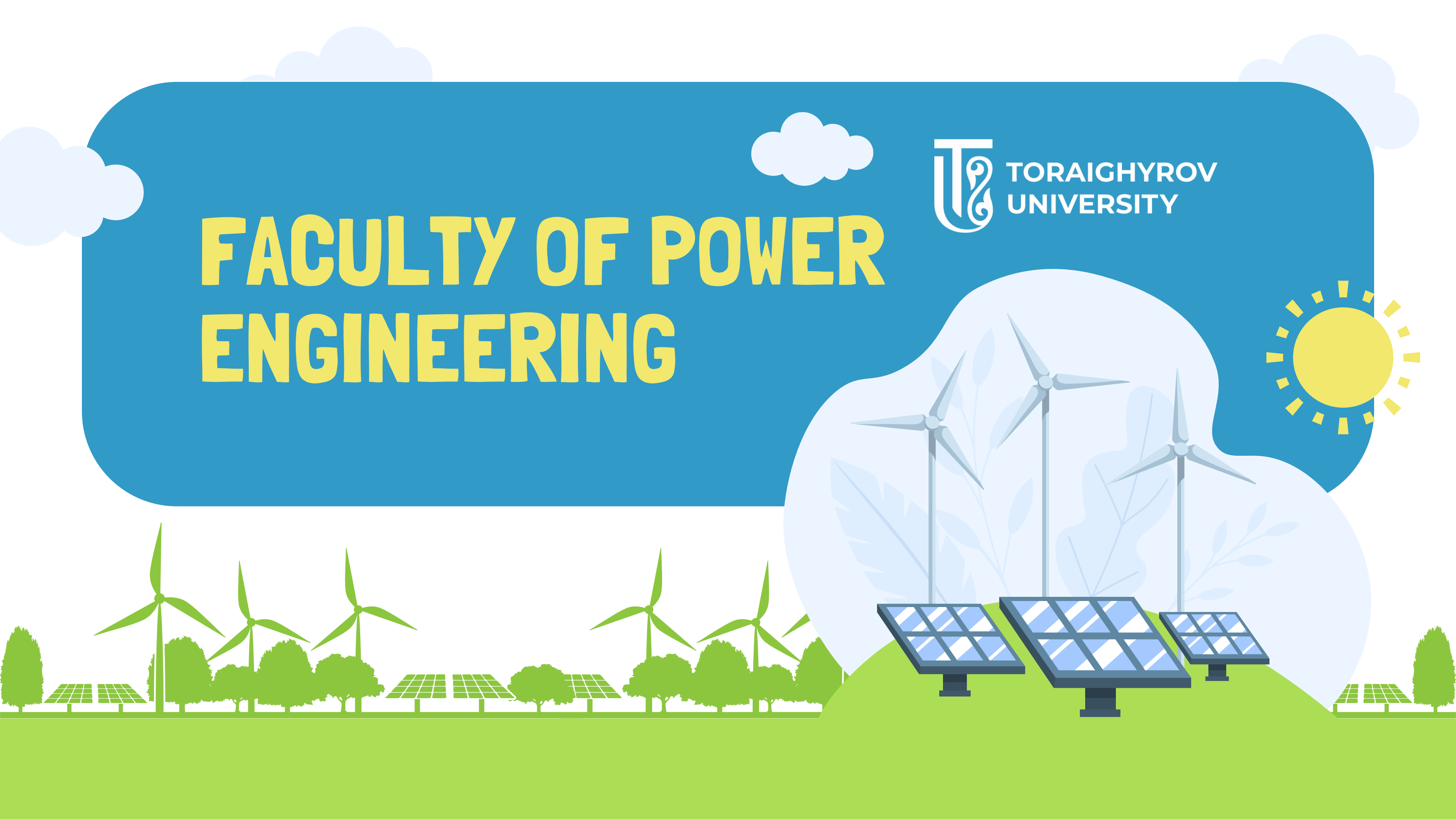


FACULTY OF POWER ENGINEERING

 TORAIGHYROV
UNIVERSITY





TORAIGHYROV UNIVERSITY



EDUCATIONAL PROGRAMS

- Electric Power Engineering
- Energy Management and Sustainable Development
Head of Department V.P. Markovsky

- Thermal power engineering and sustainable development
Head of Department Karmanov A.E.

- Automation and industrial robotics
- Radio engineering, electronics and telecommunications
Head of Department Isabekov Zh.B.



ELECTRIC POWER INDUSTRY



Activity

- design and engineering;
- production and technological;
- research,
- installation and adjustment;
- organizational and managerial

Job title

operational and engineering personnel for electric power and industrial enterprises, engineers for design organizations

Enterprises

JSC Aluminum of Kazakhstan, JSC Eurasian Energy Corporation, JSC Kazakhstan Electrolysis Plant, JSC Kaustik, JSC Pavlodar Distribution Electricity Grid Company, JSC Pavlodarenergo, JSC Kazenergokabel, PF TOO KSP Steel, PF TOO Kasting, Aksu Ferroalloy Plant – Branch of JSC TNK Kazchrome, Pavlodar Oil Pipeline Department, TOO Ekibastuz GRES-1

ENERGY MANAGEMENT AND SUSTAINABLE DEVELOPMENT



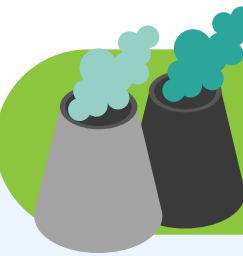
ACTIVITY

- design and engineering;
- production and technological;
 - research,
 - auditing;
- organizational and managerial



JOB TITLE

operational and engineering personnel, energy managers for electric power and industrial enterprises, engineers for design organizations



ENTERPRISES

JSC Aluminum of Kazakhstan, JSC Eurasian Energy Corporation, JSC Kazakhstan Electrolysis Plant, JSC Kaustik, JSC Pavlodar Distribution Electricity Grid Company, JSC Pavlodarenergo, JSC Kazenergokabel, PF TOO KSP Steel, PF TOO Kasting, Aksu Ferroalloy Plant – Branch of JSC TNK Kazchrome, Pavlodar Oil Pipeline Department, TOO Ekibastuz GRES-1

THERMAL ENERGY AND SUSTAINABLE DEVELOPMENT

Activity

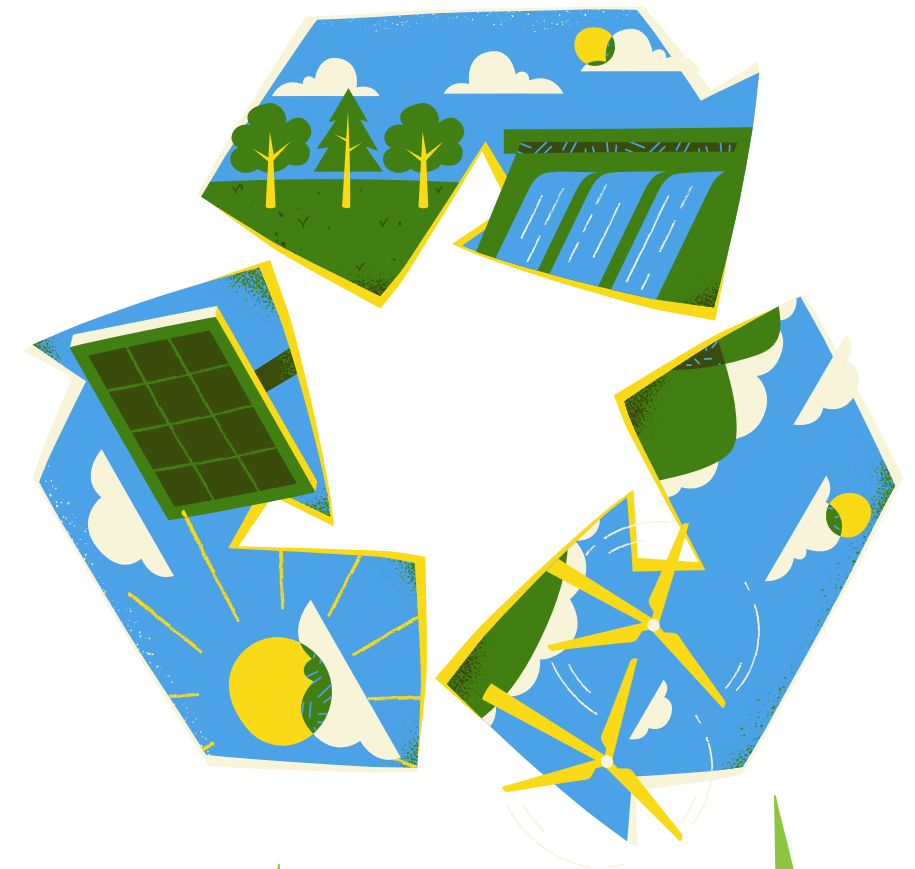
enterprises and technological installations for the production, distribution and use of heat; design and engineering organizations, institutions of secondary vocational education that carry out training and retraining of personnel in the field of thermal power engineering

Job title

operational and engineering personnel for thermal power and industrial enterprises with the prospect of growth to the manager; engineers for design organizations

Enterprises

JSC "Pavlodarenergo", JSC "AK", JSC "EAEC", Aksu Ferroalloy Plant, Branch of TNK Kazchrome JSC, LLP "Ekibastuz GRES-1", CHPP-1, 2, 3



AUTOMATION AND INDUSTRIAL ROBOTICS



Activity

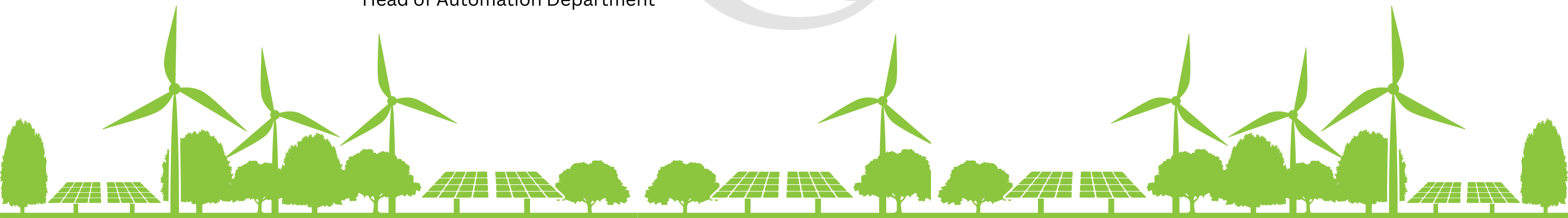
Programming industrial robots
Programming industrial controllers
Configuring communication networks
Development of automatic production equipment
Integration of equipment for creating automatic production

Job title

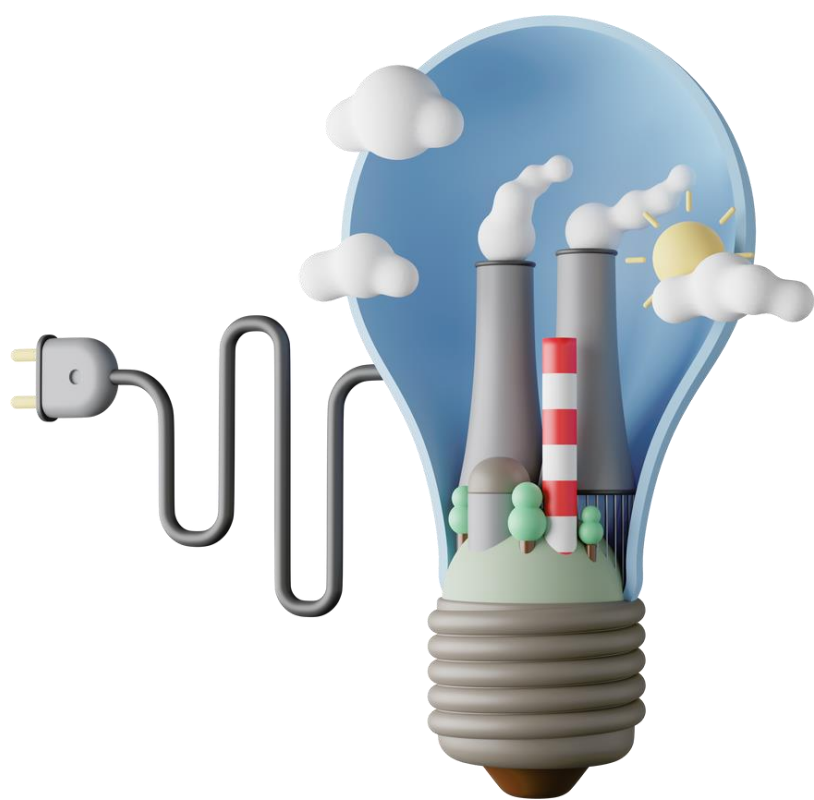
Electronics Engineer
Software Engineer
Industrial Robotics Designer
Automation Engineer
Head of Automation Department

Enterprises

JSC "Aluminium of Kazakhstan"
TOO "Prommashkomplekt"
JSC "Kazakhstan Electrolysis Plant"
TOO "Pavlodar Petrochemical Plant"
JSC "Promanalit"
JSC "Eurasian Energy Corporation"
JSC "Kazenergokabel"
JSC "KazTransOil"
TOO "Sut"



RADIO ENGINEERING, ELECTRONICS AND TELECOMMUNICATIONS



Activity

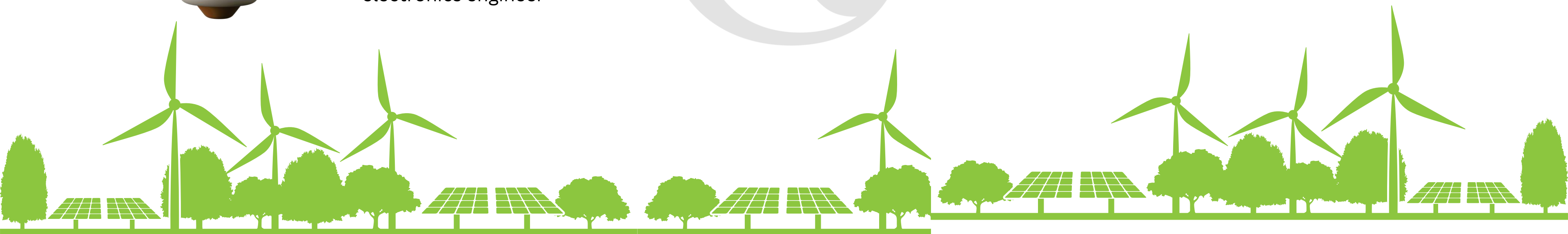
- organization of technological processes in the field of telecommunications;
- participation in innovative and rationalization activities at enterprises;
- fulfillment of the requirements of the quality management system, the environmental management system at a metallurgical enterprise

Job title

operator, shift supervisor (communications department), head of the automation and communications shop, radio equipment controller, radio electronics engineer

Enterprises

JSC "Kazakhstan Electrolysis Plant",
JSC "Aluminum of Kazakhstan",
JSC "Kazakhtelecom",
PF TOO "KSP Steel",
PF TOO "Casting",
AZF branch of "TNK "Kazchrome"



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