



### Our partners and customers:

- NNEGC "ENERGOATOM"
- IAEA
- Institute for Safety Problems of Nuclear Power Plants
- Institute for Nuclear Research
- Ukrainian Nuclear Society
- Ministry of Health of Ukraine
- The State Emergency Service
- Institute for Scintillation Materials
- National Scientific Center "Institute of Metrology"
- European Centre of Technological Safety
- Ministry of Agrarian Policy and Food of Ukraine
- Ministry of Ecology and Natural Resources
- State Sanitary and Epidemiological Service
- State Agency of Forest Resources
- State Nuclear Regulatory Inspectorate
- Corporation "Third Wave" (Japan)

**The exclusive representative of  
Radiation Detection & Measurement  
Division Thermo Fisher Scientific  
copr. in Ukraine.**

### Independent Testing Laboratory

The laboratory is accredited for compliance with ISO 9001:2015 in field: testing products for the nuclear power plant (materials, electrical equipment, containers, protective equipment, cables), performance, resistance to external influential factors, building materials and agricultural products in terms of radiation safety.



**Instruments and systems for  
radiation control and monitoring**

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since 1991

**Research and Production Enterprise  
ATOMKOMPLEXPRYLAD**

**Pinstruments and systems for  
radiation control and monitoring**

## About us

RPE "Atomkompleksprylad "(RPE "AKP") is a Ukrainian developer, manufacturer and supplier of equipment and systems for radioactivity control and monitoring, founded in 1991.

RPE "AKP" provides a full range of works on development and implementation of spectrometric instruments: "Idea - Design - Manufacturing - Installation - Training - Service".

The company offers instruments and complete solutions for equipping laboratories of sanitary services, nuclear power plants, water utilities, veterinary laboratories, oncological hospitals, trade outlets, markets, food and construction materials producers and others.

RPE "AKP" exports its products, delivers services and equipment on projects of the IAEA and the European Commission.

The company is a corporate supplier of NNEG "Energoatom", is certified according to the requirements of DSTU ISO 9001: 2009, has its own accredited independent testing laboratory.

## Our specialization:

- Development, manufacture, installation of devices and systems for control and monitoring of ionizing radiation;
- Manufacturing beta, gamma spectrometers (serial and individual projects);
- Manufacturing of equipment for NPPs;
- Design and implementation of dosimetry systems;
- Development of software for processing and analyzing spectra;
- Warranty and post-warranty service;
- Personnel training;
- Development of sample preparation methods and measurement;
- Independent testing laboratory services;
- Representation of foreign companies;
- Adaptation documents to national requirements;
- Seminars, workshops and conferences.

RPE "AKP" is awarded with gratitude from Prime Minister of Ukraine, the State Emergency Service of Ukraine and the Ministry of Energy, numerous diplomas.

Laureate of  
State Prize of  
Ukraine

## Instruments for NPP's

### STPK-01

The spectrometric complex for maintenance of the discrete-continuous operative control in the basic (first) circuit of the nuclear reactor.



### "AZOT-16-PG"

The software-technical complex for detection of steam generators leaks by the  $^{16}\text{N}$  activity in the live steam.

### SEG-001m "AKP-S"-SRAW

The spectrometer for registration of the activity of radionuclides of solid non-sorted radioactive wastes.



### SICH-AKP

Whole body spectrometer designed for individual NPP staff and population monitoring.

### SEG-002-"AKP-P"

Semi-conductor gamma-spectrometer for radionuclides identification in the compound isotopes mixture in samples.



## Software

Original software designed for managing the measurements and automated processing of spectrums. Software allows the operators with minimal training operate routine measurements and at the same time is a universal instrument for professional nuclear and physical researches.



# DEVICES AND SYSTEMS FOR RADIOACTIVITY CONTROL AND MONITORING

## Gamma- and beta- spectrometers

Expert and express analysis of qualitative and quantitative composition of radionuclides in samples of technological environments, food, environment.

GAMMA-spectrometers

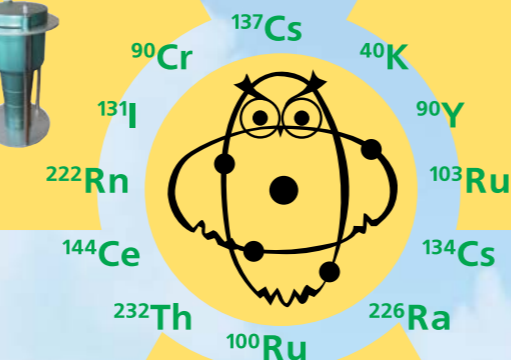


SEG-001-"AKP-S"  
Professional gamma spectrometers.

BETA-spectrometers



SEB-01  
Professional beta spectrometer.



## Mobile and portable spectrometers

### PRS - 01

Portable recorder of spectra for radiation monitoring of area, transport, baggage, people, for search and identification of gamma radionuclides.



### SEG-001m "AKP-S" "Lisovyk"

Gamma-spectrometer for express-control of not exceeding permissible levels radiation in packaged food products.



### SEG-001 «AKP-S» «KERN»

Gamma spectrometer for express in-situ measurements of full-length core samples.



## Automatic monitoring systems

Automatic systems for monitoring gamma dose rate and neutron emissions, individual doses of personnel (TLD and EPD), control of emissions and discharges, recording and analysis of information.

Instruments for control of pollution of surfaces, portal and aerosol monitors.

Systems are equipped with instruments and software produced by RPE "AKP" and Thermo Fisher Scientific (USA).



## Geophysical equipment

### TISA M-1

Three-fold accelerometer for the rapid assessment of the effects of earthquakes, seismic shock monitoring, seismic monitoring and emergency notification systems.



## Patents and copyright certificates

Industrial designs of our products are protected by patents



## Summer School "Post-Accident Radiation Monitoring Techniques"

The curriculum of the course is created taking into account the IAEA recommendations and consists of classroom instruction, practical field exercises and data analysis at the TESEC training facility, and exercises in contaminated areas of the Chornobyl Exclusion Zone.



Students  
from more than  
25 countries