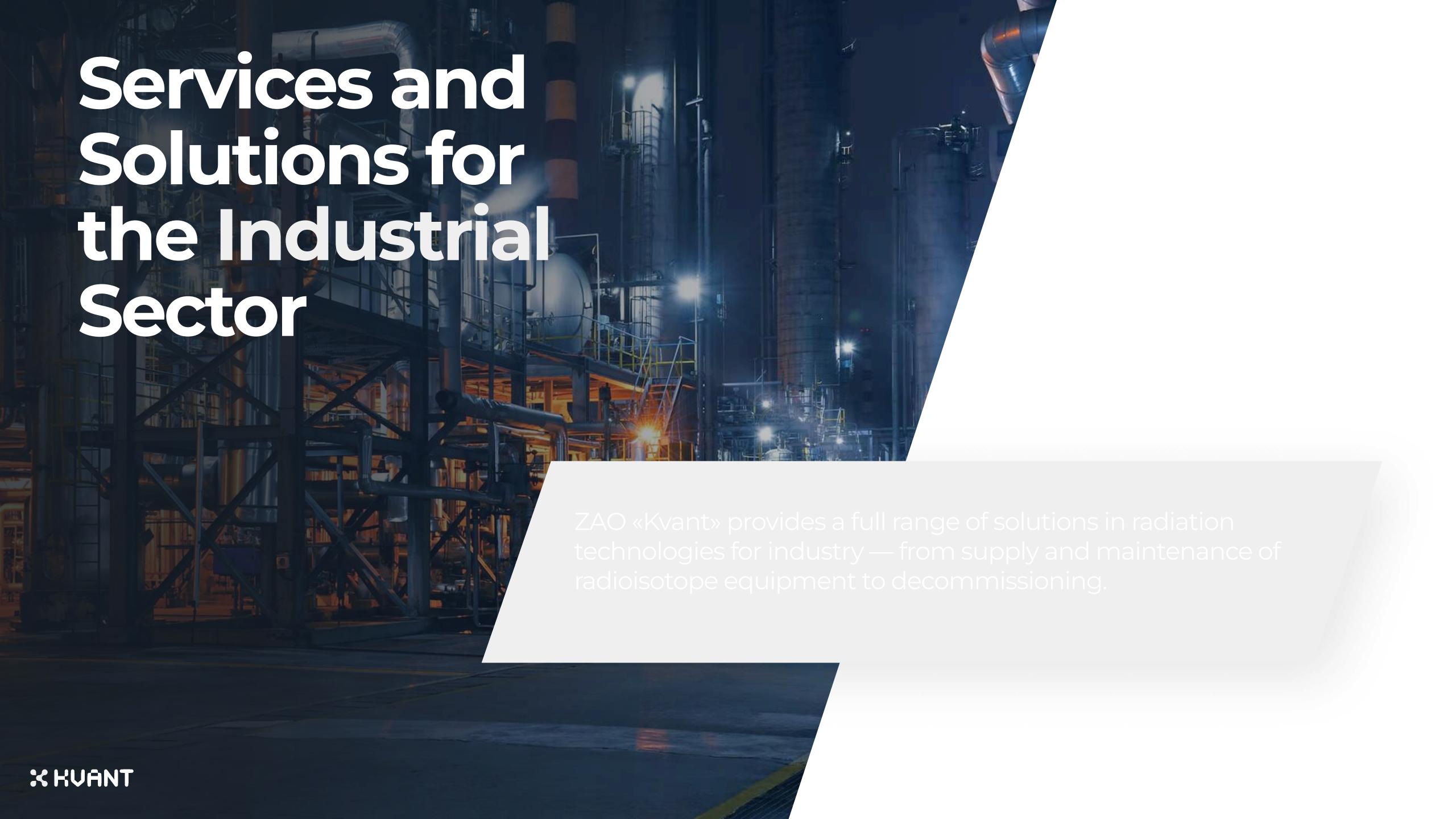


ZAO «Kvant»

A manufacturing enterprise with over 55 years of experience in the field of atomic energy use.

The company is one of the leading suppliers of radioisotope products and sources of ionizing radiation in Russia and abroad, providing a full range of services — from development and supply to maintenance, service life extension, and decommissioning of equipment.





Key Services



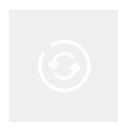












Full Cycle of Source Management Comprehensive
Services for Handling
Radioactive Sources



Custom Source Fabrication



Radionuclide Sources Co-60, Cs-137, Ir-192, etc. Service Life Extension

Expert Assessment for

Service Life Extension of

Sources

Safe Temporary or Long-Term Placement of Sources

Storage

Radioisotope Refueling

Replacement of Spent Radionuclides Transfer to RW and Disposal

Full Cycle of Source Disposal

Supply of Sources of Ionizing Radiation

Alpha Radiation

Pu-239 Pu-238

Beta Radiation

Ce-144+Pr-144 Pm-147 Ti-204 F

Gamma Radiation

Co-57 Co-60 Zn-65 Se-75 Ag-110m Sb-124 Cs-134 Cs-137 Ce-144+Pr-144 Eu-152+Eu-154 Tm-170 Ir-192 Am-241 Pu-238 Pu-239

Neutron Radiation

Am-241 Pu-238 Pu-239 Cm-248 Cf-252

X-Ray Radiation

Fe-55 Sr-90+Y-90 Pm-147 Ti-204 Pu-238

KUANT



Custom Solutions for Your Applications

- Activity Selection: supply of alpha sources of various activities according to technical specifications.
- Source Holders: use of standard or specially designed holders.
- **Geometry:** possibility of manufacturing sources in non-standard shapes upon request.
- **Encasement:** production of different types of housings, including double-encased sources.

Transport Packaging Kits

Mobile Storage Units for Radioactive Materials

Specialized containers for the safe storage and transportation of radionuclide sources, ensuring protection of personnel and the environment.

Supported Radionuclides: Co-60, Cs-137 Se-75, Ir-192, Am-241, Pu-238, Pu-239.



Mobile Storage Units for Radioactive Materials

мобильное хранилище для безопасного хранения радиоизотопных приборов и контейнеров с закрытыми источниками, оснащено радиационно-защитными сейфами и системами сигнализации, освещения и вентиляции.





Transport and Refueling Containers

Transport and Refueling Containers (TRC) provide safe charging, refueling, storage, and transportation of sealed radionuclide sources.



Gamma Source Units

Gamma Source Units (GSU) are used in radioisotope instruments to form a directed radiation beam and protect personnel; they are applied in densitometers, thickness gauges, and level gauges.





ChatGPT сказал: Manual Grippers for Radioactive Materials

Designed for safe handling of radioactive materials and waste, providing secure holding of radiation sources and protection of personnel through increased distance and the use of biological shielding.



Radiation Shielding Devices

Radiation Shielding Devices (RSD) are designed for the safe storage of sources of ionizing radiation, including gamma flaw detectors and isotope containers, providing personnel protection and suitable for stationary or mobile use.



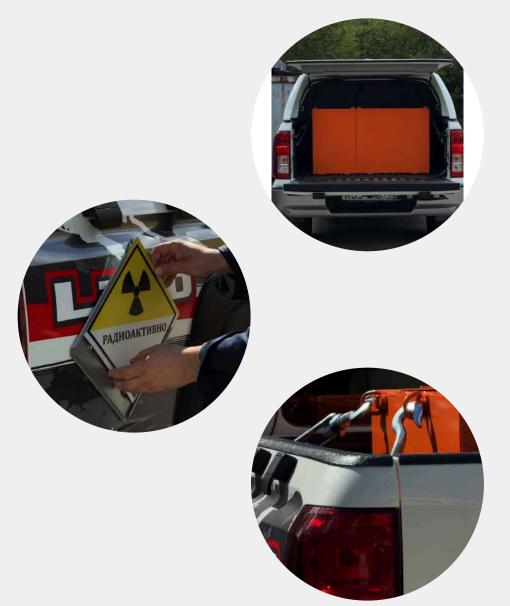
Protective Shields

Shields against gamma and neutrol radiation for the protection of personnel and equipment. Made from lead, paraffin, lead glass, and plastics; available in stationary, mobile, and source-handling configurations.



Vehicle Equipment

Includes the installation of protective shields, fabrication of pallets for containers, provision of an emergency kit, and full compliance with the requirements of the ADR international agreement for safe transportation.







Maintenance of Radioisotope Instruments

ZAO «Kvant» is a manufacturer and supplier of radioisotope instruments for industry. Our company specializes in the full cycle of work with radiation equipment:

- Service and calibration of equipment
- · Design and installation of radioisotope instruments
- · Supply and transfer of radioisotope instruments
- Decommissioning and disposal

Industrial Gamma Installations

JSC «Kvant» specializes in comprehensive maintenance of industrial gamma installations.

Service and maintenance

Service life extension

Equipment installation, commissioning, and personnel training

Modernization of outdated units

Decommissioning and source refueling



Development of Project Documentation

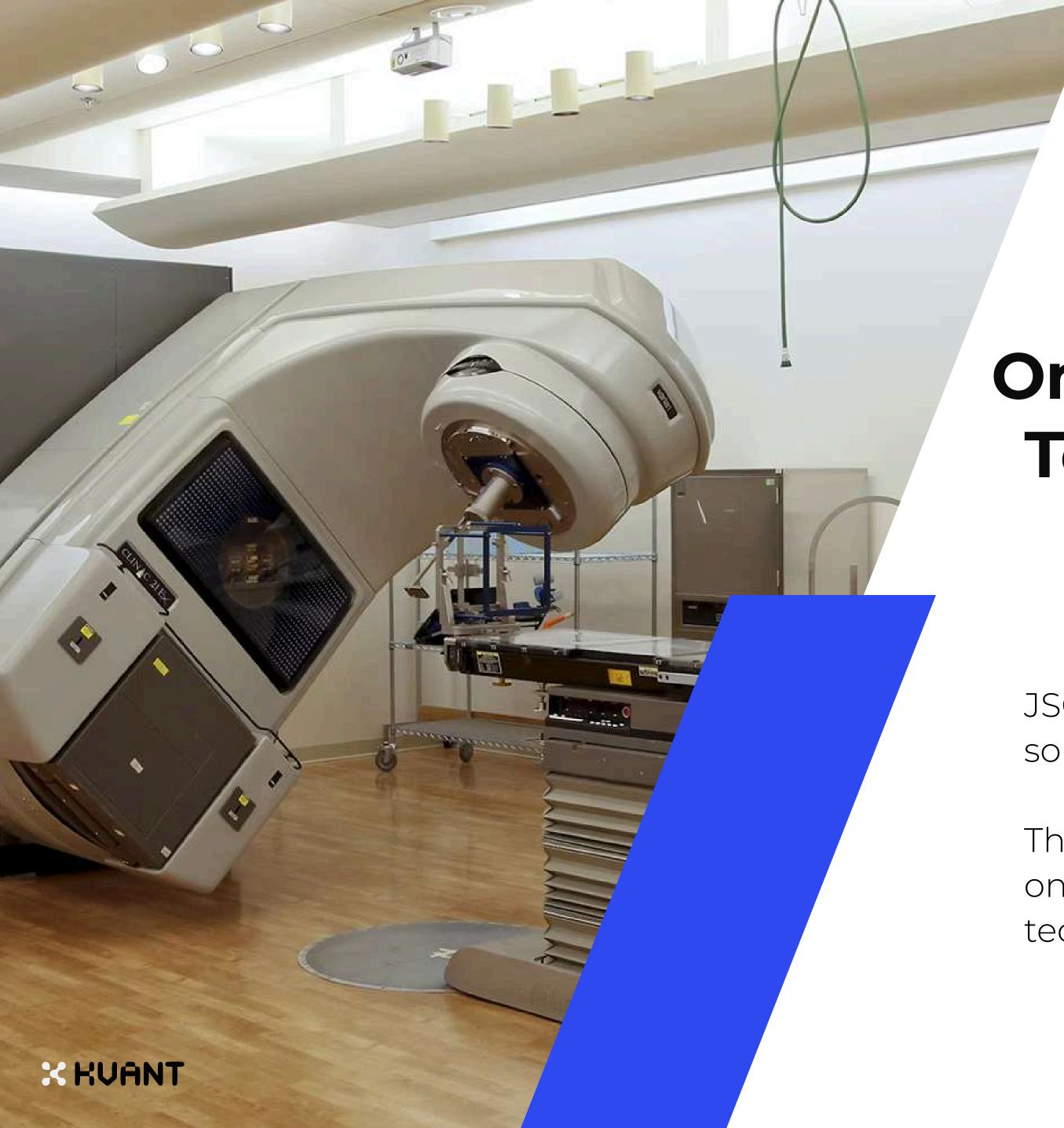
JSC «Kvant» provides comprehensive services for the development of project documentation for facilities dealing with sources of ionizing radiation, radioactive materials, and waste.

Main areas of design:

- Radiation Safety
- Physical Protection
- Decommissioning
- Technological Solutions
- Design of Medical Facilities







One of the Key Areas — Technical Support for Nuclear Medicine

JSC «Kvant» provides a full range of technical solutions for nuclear medicine facilities.

The company ensures the safe operation of oncology centers using radiation technologies in diagnostics and therapy.



Gamma Therapeutic

Maintenance, repair, refueling, and dismantling of devices (Terabalt, Theratron, Agat, Rokus, Multisource)



Molybdenum-99 (Mo-99), Lutetium-177 (Lu-177), Iodine-131 (I-131), Custom preparation of radiopharmaceuticals according to individual specifications

Main Services

Class 7 Cargo Logistics

Organization of the safe transportation of radiopharmaceuticals and radiation sources with full documentary support.



Accredited Radiation Control Laboratory

Dosimetric monitoring of radioisotope instruments
Individual dosimetric monitoring

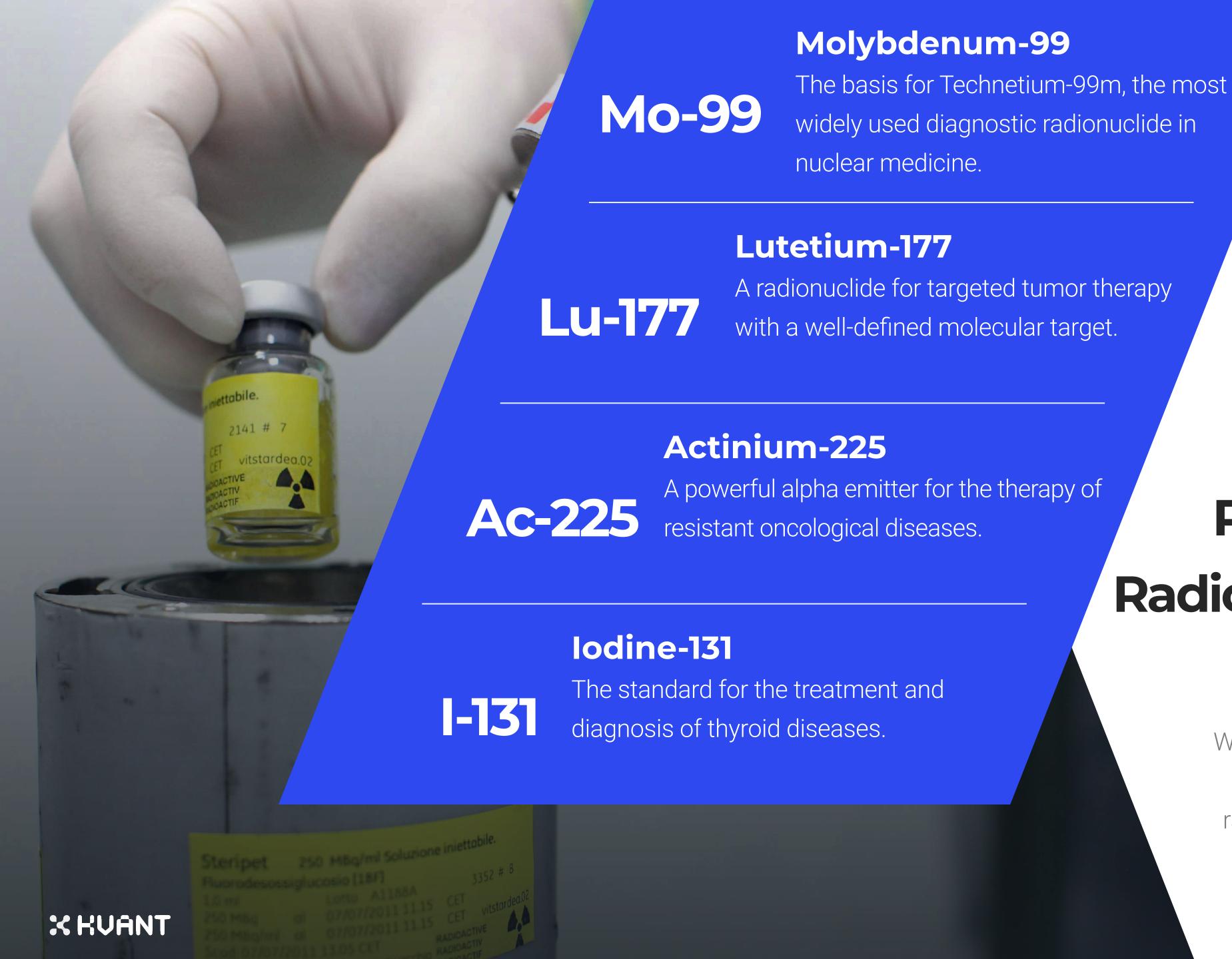


SKUANT

Gamma Therapeutic Devices

A full range of services for the maintenance of gamma therapeutic devices used in radiation oncology





Radioisotopes and Radiopharmaceuticals

We provide reliable supplies of high-quality medical radioisotopes and radiopharmaceuticals for diagnostics and targeted therapy.

Accredited Radiation Control Laboratory of JSC «Kvant»

Main Areas of Work:

- Testing of X-ray, radioisotope, and gamma installations for various purposes
- Dosimetric and radiation monitoring of equipment premises, and medical personnel workplaces
- Individual dosimetric monitoring and assessment of the effectiveness of protective equipment

Class 7 Cargo Logistics

JSC «Kvant» provides a full range of services for the transportation of radioactive and hazardous cargo:

- Organization of transport using specialized vehicles
- Air transportation of hazardous goods
- Customs clearance
- Transit of Class 7 hazardous cargo
- Export and import of radioactive materials
- Provision of secure packaging and containers

The company has its own certified vehicle fleet, providing dosimetric monitoring and physical protection.







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Discover all areas of JSC «Kvant» activities via the QR code

