Why go with **ROSATOM?**

Rosatom boasts solid experience in implementing research reactor design, construction, operation, and maintenance and modernization projects –

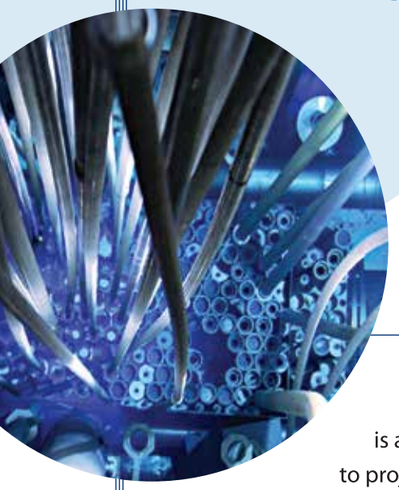
ROSATOM HAS BUILT

122 RESEARCH REACTORS

IN THE PAST **70** YEARS

and is currently operating more than

20% of all research reactors worldwide



Rosatom Center for Nuclear Science and Technology **INTEGRATED OFFER** is a comprehensive approach to project implementation, providing for an **ALL-INCLUSIVE SUPPORT** to partners throughout the **ENTIRE LIFE-CYCLE** of the facility

Rosatom designs and supplies a **VAST VARIETY OF LABORATORIES FOR A WIDE RANGE OF COMMERCIAL AND NON-COMMERCIAL APPLICATIONS** – from nanostructure study to gemstone coloring

20 000 **EMPLOYEES IN ROSATOM** support partners in science and research activities

RESEARCH REACTOR PROJECTS have been implemented by Rosatom in more than

20 **COUNTRIES**

Rusatom Overseas BRIEFLY

Being in the front rank of the Russian nuclear industry **RUSATOM OVERSEAS** brings the unique **INTEGRATED OFFER** for the **ROSATOM CENTER FOR NUCLEAR SCIENCE AND TECHNOLOGY** to the global market. Apart from the construction of the **CENTER FOR NUCLEAR SCIENCE AND TECHNOLOGY**, it includes creation and development of the nuclear infrastructure in the partner country, human resources development, fuel supply, maintenance and upgrades, operation support, spent fuel and radioactive waste management.

ROSATOM CENTER FOR NUCLEAR SCIENCE AND TECHNOLOGY INTEGRATED OFFER is a set of product solutions and services provided by Rosatom to ensure implementation of a state-of-the-art, cutting edge center for nuclear science and technology and comprehensive support at all of its stages, making the whole range of products and services available from a single supplier.

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ROSATOM

Rosatom Center for Nuclear Science and Technology

Driving Innovations FORWARD

What are the **BENEFITS?**

CENTER FOR NUCLEAR SCIENCE AND TECHNOLOGY IS A GATEWAY FOR COUNTRIES STRIVING TO ACHIEVE TECHNOLOGICAL AND SCIENTIFIC ADVANCEMENT, CONTRIBUTING TO VARIOUS ECONOMIC SECTORS BY:

HIGH-TECH INDUSTRY AND SCIENCE SECTOR

- Securing stable supply of isotopes for medicine and industry
- Broadening expertise in material science and engineering

HEALTHCARE

- Reducing mortality rate from cancer and other related diseases
- Improving life quality and expectancy

EDUCATION AND TRAINING

- Developing human resources for nuclear energy and science sectors
- Improving higher education system and serving as a training platform for students and nuclear scientists

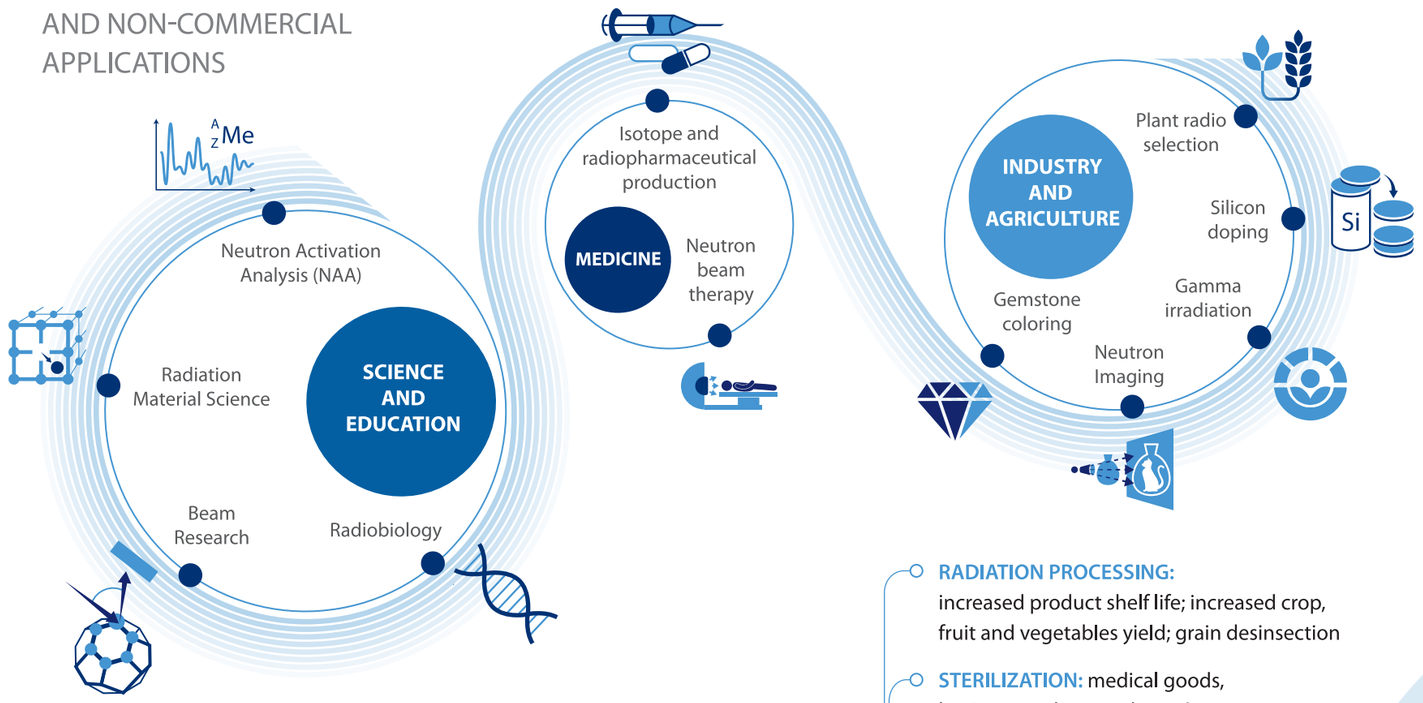
AGRICULTURE AND FOOD

- Increasing crop yield and shelf life with irradiation treatment
- Enhancing country's agricultural efficiency

ROSATOM

Center for Nuclear Science and Technology SOLUTIONS

RESEARCH REACTOR AND LABORATORIES – TAILOR-MADE COMMERCIAL AND NON-COMMERCIAL APPLICATIONS

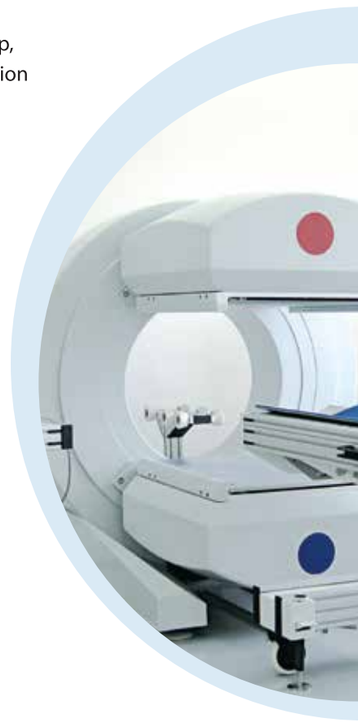


MULTIPURPOSE IRRADIATION CENTER – FAST AND EFFICIENT SOLUTION TO IMPROVE EVERYDAY LIFE

RADIATION PROCESSING: increased product shelf life; increased crop, fruit and vegetables yield; grain desinsection

STERILIZATION: medical goods, hygiene products and supplements

MODIFICATION OF MATERIALS: increase of cement hardness, variation of polymer properties



NUCLEAR MEDICINE CENTER – STATE-OF-THE-ART TECHNOLOGIES FOR A BETTER FUTURE

RADIOPHARMACEUTICALS (RPH's) AND ISOTOPE PRODUCTION:
RPH's based on short-lived and ultra-short-lived isotopes

DIAGNOSTICS:
- SPECT / CT* diagnostic
- PET / CT** diagnostic

THERAPY:
- Radionuclide therapy
- Radiotherapy
- Brachytherapy
- Proton therapy

** Single-photon emission computer tomography.*
*** Positron emission tomography – computer tomography.*