

NUCLEAR TECHNOLOGY

- Multi-purpose (research) nuclear reactors.
- Facilities for the production, handling and fractioning of radio-pharmaceuticals and other labeled compounds.
- Equipment for the fabrication of fuel elements for Nuclear Power Plants.
- Facilities for the safe dry storage of spent fuel elements.
- Equipment and services for Nuclear Power plant.

Nuclear Research and Radioisotope Production Reactors

- Neutron beams research, including cold sources.
- Radioisotope production for medical, agriculture, and industrial application.
- Silicon doping through neutron transmutation.
- Irradiation systems for Boron Neutron Capture Therapies (BNCT).
- Neutron radiography facilities.

Products and services for Nuclear Power Plants

- Design, construction, and maintenance of radiation detection systems.
- Special devices for Intervention and repair works under radiation (including master-slave manipulators to operate within high-radiation environments).
- Systems for handling, drying, and storage of spent nuclear fuel elements.
- Engineering solutions: Nuclear physics, process engineering, mechanical engineering, instrumentation and control (analogue and digital), safety and licensing.
- Consultancy services.

NUCLEAR MEDICINE

Integration of technology solutions on Radiotherapy, Nuclear Medicine and Radiopharmacy

- Preliminary design and planning for project evaluations.
- Layout and bunker design, shielding calculations, construction/follow up of civil works and locally regulatory /normative implementation.
- QMS documentation
- Equipment supply and start-up, validation process and commissioning, together with auxiliary equipment and accessories.
- Training programs on clinical workflow, operation and maintenance for doctors technicians, physicists and engineers.
- Preventive and corrective maintenance programs, warranty and spare parts.

INVAP S.E provides implementation of different technologies and integration of different products' and applications from suppliers to support global clients based on INVAP'S experience in the management and development of multiple projects.

- Project Management: Going from project evaluations to project implementations.
- Quality Assurance (QA)/Regulatory Affairs (RA)/Good Manufactory Practices (GMP).
- Equipment and site consulting: of the population of the region / site.

