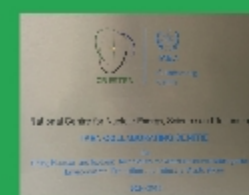


OUR VALUES

- ✔ Honesty and Integrity;
- ✔ Civic engagement;
- ✔ Professional commitment;
- ✔ Security, Safety and Eco-Responsability.

CNESTEN's RECOGNITIONS



NATIONAL LEVEL

1. **Accreditation** by AMSSNuR as an official provider of the following services :
 - Dosimetry ;
 - Training and assessing the knowledge of qualified personnel in radiation protection ;
 - Radioactivity measurements ;
 - Calibration of ionizing radiation detection equipment ;
 - Technical expertise in radiation protection.
2. **Accreditation** by the Moroccan Confederation of Non-Destructive Testing (COMEND) as the official certifying body for non-destructive testing operators in Morocco.
3. **Accreditation** by SEMAC, the Moroccan certification Body, according to the NM ISO/IEC 17025:2028 as specialized laboratories in isotope analysis, tritium testing, radioactivity measurement, dosimetry, and detection equipment calibration.
4. National Nuclear Security Support Centre.

INTERNATIONAL & REGIONAL LEVELS

Recognized by IAEA as :

- Collaborating Center in Using Nuclear and Isotopic Techniques for Water Resources Management, Environmental Protection and Industrial Applications ;
- International Centre based on Research Reactor for Education and Training and Hands-on Training ;
- Internet Reactor Laboratory.

Recognized by AFRA as Regional Designated Centre in :

- Radioprotection ;
- Radiopharmacy (In partnership with Faculty of Medicine and Pharmacy - Rabat) ;
- Human Nutrition (In partnership with Faculty of Science - Kenitra) ;
- Isotope Hydrology ;
- Non-Destructive Testing.

National Centre For Nuclear Energy, Science and Technology

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Kingdom of Morocco

National Centre
for Nuclear Energy, Science and
Technology



PEACEFUL USES OF NUCLEAR APPLICATIONS
FOR SUSTAINABLE SOCIO-ECONOMIC DEVELOPMENT

Centre for Research, Training and Expertise
in the field of Nuclear Science and Technology

MISSIONS (Created by the law N° 17-83)

A state owned institution operating under the supervision of the Ministry of Transition Energy and Sustainable Development

Developing scientific research in nuclear science and technology

Promoting nuclear science and technology applications in socioeconomic sectors

Contributing to the development of nuclear infrastructure for a nuclear power program

Providing the state with technical support in the field of radiological safety and security



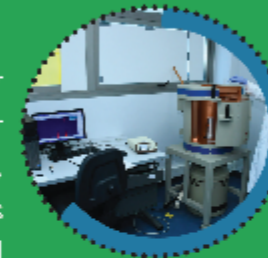
MAIN SECTORS OF ACTIVITY

HEALTH AND LIFE SCIENCES



- Production of Radiopharmaceuticals (Iodine 131, Tc99m, Cold kits,...).
- Research in molecular biology and radiobiology, food and nutrition.

ENVIRONMENT AND NATURAL RESOURCES



- Contribution of Nuclear Analytical Techniques for pollution assessment in soil, air, river and marine mediums and valorization of natural resources.

AGRICULTURE



- Assessment of soil erosion using fallout radionuclides,
- use of nuclear tools for animal reproduction and plant-soil relationship.

WATER AND CLIMATE



- Use of nuclear and isotopic techniques to study water cycle and climate.

INDUSTRY



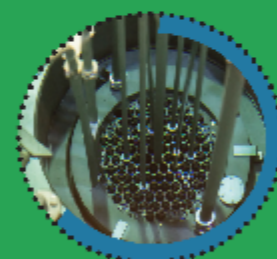
- Quality control of industrial products, processes and facilities using NDT, radioactive sealed sources and radiotracers,
- Nuclear instrumentation.

RADIOACTIVE WASTE MANAGEMENT



- Collection, treatment, transport of radioactive materials,
- R&D in conditioning materials.

ENERGY



- Contribution to the development of necessary nuclear infrastructure for a nuclear power program (safety & security, radioactive waste management, regulation, human resources,...).

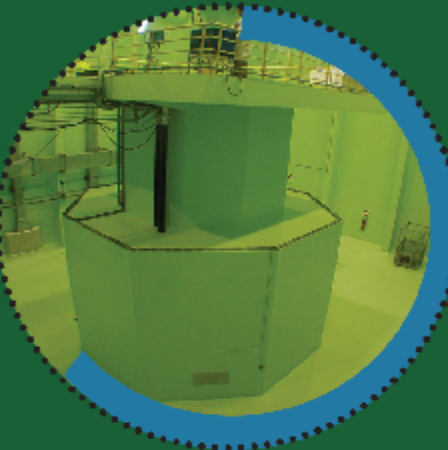
NUCLEAR SAFETY AND SECURITY



- Acting as a technical support organization to the national authorities in the fields of radiation and nuclear safety and security, safeguards, emergency preparedness and response.

INFRASTRUCTURE

The Maamora Nuclear Research Centre: a multipurpose nuclear facility established, since 2003, which includes a research reactor, 2MW power and several laboratories dedicated to the development of nuclear applications.



PARTENERS :

NATIONAL PARTNERSHIP

- Universities
- Public research institution
- Local communities
- Non governmental organizations
- Socio-economical operators

INTERNATIONAL COOPERATION

- International Atomic Energy Agency
- African Regional Cooperation Agreement AFRA
- Nuclear Research Centres and Universities

EDUCATION AND TRAINING

- Radiation protection,
- Non Destructive Testing,
- Nuclear safety and security,
- Isotopic Hydrology,
- Reactor technology,
- Radioactive waste management.

HUMAN RESOURCES

220 Employees including :
73% Doctors, Engineers and Technicians

