WELCOME TO THE NIGERIA ATOMIC ENERGY COMMISSION ABUJA
Establishment & Activation
Mandate & Functions of NAEC
Vision, Mission & Goal of NAEC
NAEC and its Research Centres
National Nuclear Energy Programmes
Nuclear Education and Training Programme
Nuclear R&D Programme
Nuclear Technology Application Programme
Nuclear Power Programme
Conclusion
Establishment & Activation of NAEC

Established as the national focal agency responsible for the promotion of atomic energy and all matters relating to the peaceful use of atomic energy in Nigeria.

Created by Act 46 of 1976 but was not activated.

Was activated and became fully operational in July, 2006 under the aegis of the Federal Ministry of Science and Technology.

Was restructured and reconstituted in March 2011 to operate under the Presidency.

Its current Chairman/CEO is Prof. Simon Pesco Mallam.
NAEC is charged with the principal responsibility of developing the framework and technical pathway to explore, exploit and harness atomic energy for peaceful applications in all its ramifications for the socioeconomic development of Nigeria in conformity with the policies of the Federal Government.

Mandate & Functions of NAEC

Prospect for and mine radioactive minerals

Construct and maintain nuclear installations for electricity generation

Produce, use and dispose of atomic energy & carry out research

Arrange with universities & institutions/persons for research purposes

Educate and train persons in matters connected with atomic energy

Manufacture or otherwise produce, buy or otherwise acquire, treat, store, transport, and dispose of any radioactive substances

To advise the Federal Government on questions relating to atomic energy
Vision, Mission & Goal of NAEC

**VISION**

Lay an enduring foundation for the building of a world-class institution for the development and peaceful deployment of nuclear technology in all its ramifications for national development in conformity with international best practices.

**MISSION**

To develop a sustainable framework imbued with the fundamental elements of a high safety culture for the peaceful application of nuclear science and technology for the socioeconomic development of Nigeria.

**GOAL**

Serve as the focal point and specialized vehicle of government to develop the ways and technical machinery to effectively explore, exploit and harness atomic energy for peaceful applications for sustainable national development.
Key facilities include:

- The Multipurpose Research Reactor (Planned) at NTC, Sheda
- Miniature Neutron Source Reactor at CERT, ABU Zaria
- Tandem Accelerator at CERD, OAU, Ile-Ife
- Gamma Irradiation Facility at NTC, Sheda
- NDT in Various NNI Laboratories
- NPP Simulation facility at NTC, Sheda
- Researchers Hostel and Conference Centre at NTC
- Graduate Hostels at the various Centres
- Recreational Facility at NTC
National Nuclear Energy Programmes

- Nuclear Education and Training (E&T) Programme
- Nuclear R&D Programme
- Nuclear Technology Application Programme
- Nuclear Power Programme

National Nuclear Energy Programmes (NNEPs)
Bilateral Multilateral IGAs Affiliations

**Core Areas of Partnership**

**Nuclear E&T Programmes**

(To Ensure a Pool of Young Indigenous Nuclear Scientists and Engineers for the Enhancement of Technology Localization/Domestication)

**ON SHORE**

- Nuclear Bridging Programmes
- Masters degree Programmes with Participating National Universities
- National Workshops and Training Courses

**OFF SHORE**

- IAEA
- AFRA
- WINS
- WNU
- RUSSIA
- KOREA
- CHINA
- USA
- GHANA

**HRD Education & Training**

- NAEC & Its NNIs
- International Partners
Nuclear R&D Programmes

- Research and Development activities are carried out at the National Nuclear Institutions (NNIs).
- The NNIs strengthen human resource development through specialized training.
- Key facilities for R&D programmes include:
  - The Multipurpose Research Reactor (Planned) at NTC, Sheda
  - Miniature Neutron Source Reactor at CERT, ABU Zaria
  - Tandem Accelerator at CERD, OAU, Ile-Ife
  - Gamma Irradiation Facility at NTC, Sheda
  - NDT in Various NNI Laboratories
  - NPP Simulation facility at NTC, Sheda
Nuclear medicine and radiotherapy in tertiary hospitals for cancer treatment

Isotope Hydrology in water resource management

Pest control, crop and livestock improvement, ensuring food safety and food security are being accomplished using various nuclear techniques

Non-destructive material testing in the industry
Nuclear Power Programmes

- Clean Energy Less CO2
- 1200MWe by 2025
- 4800MWe by 2035
- Diversify Generation Base
- Industrial Base Expansion
- Employment Opportunities
- Electricity Tariff Reduction
- Nuclear Technology Localization
- Uninterruptable Stable Power supply
Welcome to NAEC