

Egypt

IAEA Member State since September 1957

Selected achievements

2022: Egypt initiates the construction of the El-Dabaa Nuclear Power Plant.

2021: Egypt develops an Integrated Workplan (IWP) with the IAEA to address gaps in the 19 infrastructure issues identified in the IAEA's 'Milestones in the development of a national infrastructure for nuclear power'.

2021: Egypt signs a new Country Programme Framework 2022–2027 with the IAEA.



Egypt's Country Programme Framework for the period 2022–2027 was signed in September 2021. (Photo: C. Karle/IAEA)

National priorities

- Nuclear and radiation safety and nuclear security
- Energy planning and nuclear power
- Industrial applications /radiation technology
- Water and environment
- Food and agriculture
- Human health
- Nuclear knowledge development and management

Main areas of IAEA support

- Nuclear safety
- Nuclear engineering and technology
- Research reactor licensing
- Human health
- Food and agriculture
- Uranium resources
- Development of nuclear power infrastructure

Project successes

Nuclear power

Egypt started the construction of Unit 1 of its El-Dabaa Nuclear Power Plant in July 2022, following the issuance of the construction license by the Egyptian Nuclear and Radiological Regulatory Authority (ENRRA).

IAEA support was provided to the ENRRA and the Nuclear Power Plants Authority (NPPA) to address issues identified in the latest Integrated Workplan, which assists Egypt in preparing for the commissioning phase of the nuclear power plant project.

Radioisotope production

Egypt's nuclear medicine sector requires a constant and reliable supply of radiopharmaceuticals. With IAEA support, the Egyptian Atomic Energy Authority (EAEA) has continued to expand its range of radiopharmaceutical products.

The Nuclear Research Centre of the EAEA, located at Inshas, produces radioisotopes from its ERRI-2 research reactor and a cyclotron. Locally produced $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$ generators are used in several nuclear medicine facilities.

Waste management

To protect people and the environment, the IAEA supported the establishment of a national radioactive waste decontamination centre for Egypt's nuclear and medical facilities. Interim storage of disused sealed radioactive sources (DSRS) is under the management of the EAEA. With IAEA support, Egypt is investigating borehole disposal for DSRS, demonstrating commitment to developing long term solutions for radioactive waste management.

Participation in the major initiatives

- NUTEC Plastics
- Rays of Hope
- ZODIAC



Egypt participated in IAEA emergency preparedness and response exercises, strengthening national capacity to respond in the event of an accident. The photo shows a simulated incident. (Photo: IAEA)

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

