



### ABOUT RIENTEC

**RIENTEC GmbH** is a Vienna, Austria, head-quartered company with competencies underpinned in the nuclear and renewable energy related services and technologies. The Company services global markets, focused on working with governments and private sectors by providing creative and flexible products and services that help shape and rebalance business ecosystems.

RIENTEC aims to offer reliable, cost effective and end-to-end solutions to our clients. We operate as a senior leveraged consulting firm with each of our consultants having a tenure averaging 20 years in the nuclear and renewable energy industry. Our broad range of services includes consulting, design, analytical, implementation, documentation and training services

### NUCLEAR CONSULTING SERVICES



RIENTEC provides nuclear consulting services with world-renowned nuclear experts available at the doorstep to offer end-to-end solutions to the both established and emerging nuclear countries.

Our experts worked at International Atomic Energy Agency (IAEA) and esteemed nuclear organizations across US, Europe, Asia and Africa. With rich in nuclear expertise and decades of experience in the entire nuclear life cycle, RIENTEC aims to offer reliable and cost effective solutions to our clients and thrives to reach the customer satisfaction by maintaining utmost confidentiality.

### New Nuclear Power Programme

- Pre-Feasibility Study
- Nuclear Energy Strategic Planning
- Feasibility Study
- Technology Selection
- Fuel Supply Planning
- Grid Assessment
- Legal & Regulatory Framework
- Siting and Site Selection
- Bid Invitation Specification
- Funding & Financing Planning
- Nuclear Safety, Security & Safeguards
- Human Resource Planning
- Stakeholder Involvement
- Nuclear Knowledge Management

### Nuclear New Build

- Site Licensing Support
- Environmental Impact Assessment
- Preliminary and Final Safety Analysis
- Emergency Planning and Response

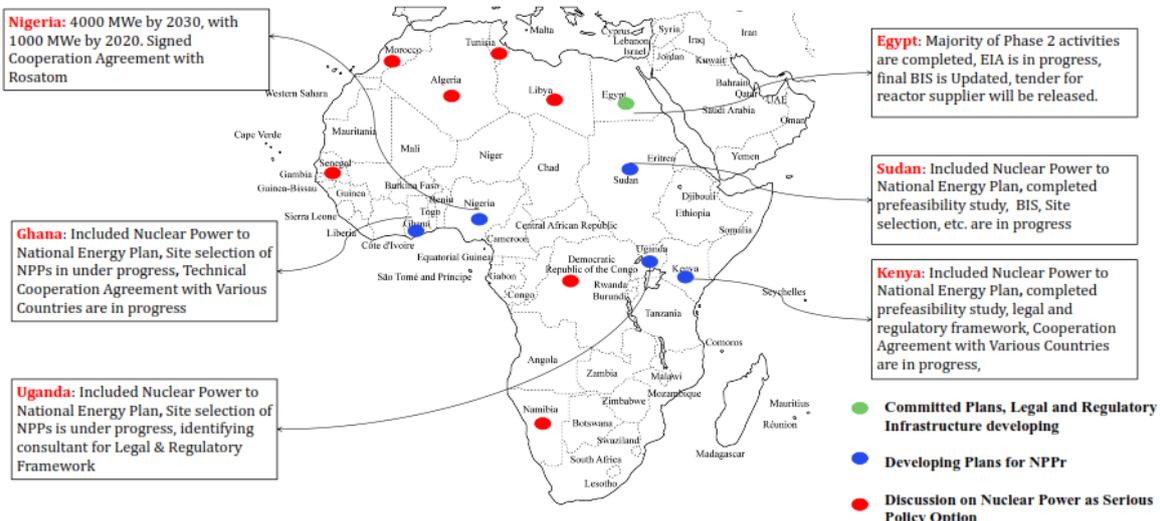
### Decommissioning & Waste Management

- Decommissioning Strategy
- Financial Planning
- Environmental Impact Assessment
- Decommissioning Procedures
- Decontamination Services
- Radioactive Waste Management

### Overall Technical Support Services

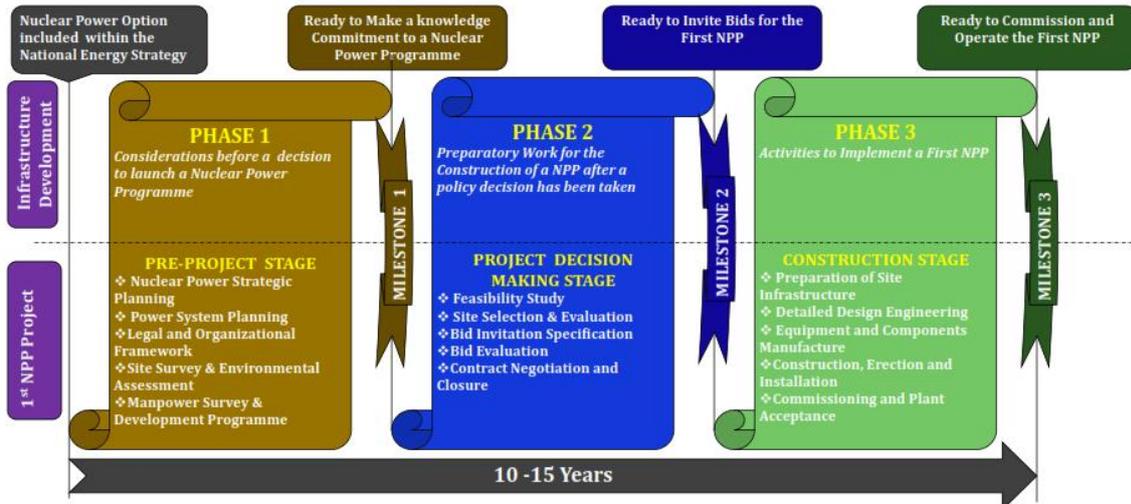
- Project Management
- Licensing & Regulatory Support
- Design and Analysis
- Nuclear Safety Analysis
- Radiation and Environmental Protection
- Quality Assurance
- WANO Peer Review Support
- Technical Documentation Support
- Procurement & Commissioning Support
- Operation & Maintenance Support

### Newcomer African Countries to NPPr



Newcomer African Countries to Nuclear Power Programme (NPPr), Source: IAEA & WNA

# Nuclear Infrastructure Development Programme



*RIENTEC Supports in Developing Nuclear Infrastructure for Newcomer African Countries*

## Our Nuclear Consulting Experience in Africa

### Central/East African Country:

- ✓ Preparation of 15 years Strategic Plan for an East African country's nuclear power programme. Based on International Atomic Energy Agency (IAEA) 19 Infrastructure Milestone document and additional three infrastructure issues were also considered.
  - Nuclear Knowledge Management
  - Internal and External Environmental Issues
  - Research & Development
- ✓ Technical Evaluation of Electrical Grid of East African country to support its Nuclear Power Plants (NPPs)

### North African Country:

- ✓ General Advisors to North African Country's Nuclear Power Programme
- ✓ Our Expert review committee reviewed the following reports:
  - Feasibility Study reports
  - Bid Invitation Specifications (BIS) reports
  - Site Selection and Evaluation reports
- ✓ Developed the following reports for nuclear infrastructure development programme:
  - Human Resource Development Plan
  - Quality Assurance Plan
  - Project Scheduling for the First Nuclear Power Plant
  - Public Communication & Stakeholder Involvement
  - ToR for Detailed Site Characterization

## NUCLEAR TRAINING SERVICES

The Zwentendorf Nuclear Power Plant (ZNPP) is a 723 MWe Boiling Water Reactor (BWR) situated in the Vienna, Austria. The plant was built in 1978, was ready to operate, but was never commissioned due to a policy decision of the Austrian Government. It is the world's only nuclear power plant which is free from radiation.

RIENTEC has established this plant as a training centre that offers unrestricted and radiation free accessibility, which is not available in any operating NPP.



*Zwentendorff Nuclear Power Plant, Vienna, Austria*

## VISION STATEMENT

*“Be a global innovative solution provider and consulting organization, delivering services in nuclear and renewable energy sector and imparting world class training to meet the global challenges of health, safety, security and environment.”*

## MISSION STATEMENT

*“To provide creative and flexible products and services that help shape and rebalance business ecosystems”*

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