



# NTP Radioisotopes SOC Ltd

A subsidiary of Necsa SOC Ltd  
Pelindaba, South Africa



[www.ntp.co.za](http://www.ntp.co.za)



# NTP Radioisotopes SOC Ltd

- NTP Radioisotopes SOC Ltd, a wholly owned subsidiary of the South African Nuclear Energy Corporation (Necsa)
- Supplies around 20% of the world's medical radioisotopes used.
- NTP is a pioneer in the introduction and growth of nuclear medicine as in South Africa.

# NTP Radioisotopes

## Vision

NTP is to be the world's leading producer and supplier of quality radiation-based products and services



# Nuclear Medicine

Nuclear medicine is the medical specialty that involves the use of radioactive isotopes in the diagnosis and treatment of diseases.

Nuclear medicine contributes to enhancing the lives of the society.

## **Diagnostic:**

Procedures using radiation to identify and locate cancerous cells and also to provide information about the functionality of specific organs.

***NTP supplies:*** Tc-99m, I-131 and F-18 for diagnosis.

## **Therapeutics:**

The treatment of diseases, mainly cancers, using Radiopharmaceuticals that are administered internally in the patients body as opposed to external radiation.

***NTP supplies:*** Lu-177 and I-131 for this purpose.

# NTP's product portfolio

## Group 1: Radiochemicals

- Mo-99
- I-131

## New:

- Lu-177

## Group 2: Radiopharmaceuticals

- Novatek Generators
- I-131-capsules
- FDG
- Various cold kits: Disida, MIBG, Tin Colloid, RBC, Renatek, DTPA
- Radiopharmacy products



# Notable achievements

- Global leader in LEU conversion technology.
- Routine export to more than 50 countries.
- 20% of global 99-Mo API market share.
- Second largest global supplier of I-131 API bulk
- Reliable supply of Nova Tec-P 99-Mo/99mTc generators and I-131 products.
- Successful introduction of Lu-177 n.c.a. in South Africa



# Prevalence's of Cancer in Africa

- There is a compelling need for nuclear medicine to be promoted and utilized in the rest of Africa, due to the increasing prevalence of cancer.
- Cancer is rapidly becoming a public health crisis in low-income and middle-income countries. In sub-Saharan Africa, patients often present with advanced disease.
- There's a need to develop Health-care infrastructure, and train personnel in the administration of Nuclear Medicine.
- Poor access to surgical care is a major impediment to cancer care in sub-Saharan Africa.

# NTP's Footprint in Africa



Country	Population	No Centres
Namibia	2 486 243	3
Mauritius	1,277,459	1
Nigeria	191,835,936	3
Kenya	48,089,910	2
Ghana	27,400,000	2
Angola	26,655,513	1
Zambia	16,717,332	1
Uganda	41,237,107	1
Tanzania	56,349,496	1
Zimbabwe	16,225,020	2



**Thank you for your attention**

