

# PREVENT. DIAGNOSE. TREAT.



Nordion is a global health science organization that provides market-leading products and services used to prevent, diagnose and treat disease.

We are a leading provider of gamma technologies and medical isotopes that benefit the lives of people in more than 40 countries around the world.

Founded in 1946, our safe and high-quality products are used daily by a well-diversified base of over 500 customers including pharmaceutical and biotechnology companies, medical device manufacturers, hospitals, clinics and research laboratories.

To best serve the diversity of our customers' requirements, we are organized into two business units: Gamma Technologies and Medical Isotopes.

We employ approximately 375 highly skilled employees. Our head office and main processing facilities are in Ottawa, Ontario, with additional facilities in Vancouver, British Columbia; Laval, Quebec; and Causeway Bay, Hong Kong.



## GAMMA TECHNOLOGIES

We provide reliable, long-term, end-to-end Cobalt-60 supply and services. Every day, around the world, gamma rays from Cobalt-60 are used to reduce or destroy harmful micro-organisms from a wide variety of products—everything from fruits and vegetables to poultry and red meat, from seafood to dog chews, and from cosmetics to surgeons' gloves.



40%

The percentage of all single-use medical devices are sterilized with gamma<sup>1</sup>

Since the widespread commercial use began in the 1960s, gamma processing has been adopted by the medical, food and consumer product industries looking to provide greater product safety. We also manufacture and supply specialty Cobalt-60 sources used around the world to treat brain and other cancers. Gamma rays damage and kill tumour cells while leaving healthy tissue unharmed.

180

large-scale irradiators  
in the world

120+

large-scale irradiators  
built by Nordion

Not only do we provide Cobalt-60 to companies that sterilize products, we also manufacture irradiation systems. A combination of world-class capabilities in electro-mechanical design, controls, radiation physics, dosimetry and regulatory affairs with a global reach in sales, installation and service have made Nordion the industry leader in delivering end-to-end gamma processing solutions.

Every day around the world, there are problems to solve—from environmental concerns to material modifications. Every day businesses are realizing that gamma offers an innovation solution.

“**Zhongjin strives to provide the Chinese market with safe and efficient irradiation processing services. Nordion’s dependable supply of cobalt, exceptional customer support and proven logistics expertise help us to deliver a consistently high quality end-product to our customers.**”

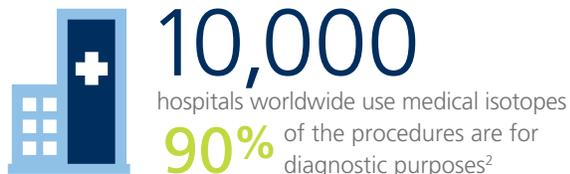
— Zheng Qiang Guo, President of Zhongjin Irradiation

<sup>1</sup>Source: Canadian Nuclear Association (CNA)

## MEDICAL ISOTOPES



With decades of experience in processing, packaging and delivery, we sell a unique portfolio of isotopes, which our customers incorporate into products that are used in medical procedures for patients. Our medical isotopes are used in the diagnosis and treatment of disease, including applications for cardiology, neurology, oncology and research.



With decades of experience in processing, packaging and delivery, we sell a unique portfolio of isotopes, which our customers incorporate into products that are used in medical procedures for patients. We have a strong focus on service and quality while providing customers with the flexibility they need to react to short-notice orders, thus providing continuity of supply to our global customers—and ultimately patients—in times of need.



The primary isotope we produce is Molybdenum-99 (Mo-99), which decays into Technetium-99. Mo-99 is used in lung scans, and the treatment of numerous diseases including thyroid cancer, non-Hodgkin's lymphoma and prostate cancer.

We also offer contract manufacturing services. We design and develop tailor-made solutions to meet our customers' needs, such as radiopharmaceuticals for commercial development or clinical trials.

“ **The extension of our agreement with Nordion in 2011 is part of our ongoing commitment to implement a globally diversified and balanced supply chain for the sourcing of Mo-99. We look forward to continuing to work closely with our supply partners, such as Nordion, to ensure the reliable supply of Mo-99.** ”

— Don Kiepert, President and Chief Executive Officer, Lantheus Medical Imaging, Inc.

# SOCIAL RESPONSIBILITY



Nordion is guided by a core purpose of making a distinctive contribution to the health and well-being of people.

We are a leader in protecting the health and safety of our employees, our neighbours and the environment. Our Class 1B nuclear facility continually exceeds the standards set by the Canadian Nuclear Safety Commission (CNSC). Through our Public Information Program and other disclosures, we are committed to transparent communications on our nuclear operations with employees, regulators, customers, partners and the public. We have a sound environmental management system and certified operating practices that meet stringent international standards for environmental sustainability.

Nordion and our employees take an active role in building healthy, strong, happy communities, both at home and abroad. We are proud to support organizations where our employees live and work.

APPROXIMATELY  
**375 EMPLOYEES**

AROUND  
**30 PRODUCTS**

SUPPLY OVER  
**500 CUSTOMERS**

ACROSS MORE THAN  
**40 COUNTRIES**



NORDION'S  
GLOBAL  
FOOTPRINT



NORDION (CANADA) INC. 447 March Road, Ottawa, ON, Canada K2K 1X8  
Tel: +1 613 592 2790 Fax: +1 613 592 6937 [nordion.com](http://nordion.com)

