

# BIOwIN

Driving health innovation



# Nuclear medicine in Wallonia, Belgium

A competitive and integrated ecosystem powering  
nuclear health innovation

With the support of



Wallonia.be



Wallonie

# Nuclear innovation in Belgium

Belgium's history in nuclear medicine spans almost a century. From its mid-20th century introduction to cementing its position as a world leader before the new millennium to its current flourishing ecosystem, Belgium is the place to find the latest and greatest nuclear medicine innovators and innovations.

Big claims for a small country, but the evidence is clear: Belgium has one of the highest densities of **nuclear medicinal equipment per capita\***, boasting a high volume of experts and specialised staff along the entire value pipeline.



*Belgium's central location in Europe, its highways and airport hubs, and its rich nuclear medicine ecosystem make it a true 'radiopharma valley'.*

**Sébastien Linard de Guertechin**,  
General Manager of Telix's Manufacturing Solutions in Seneffe.

High density of nuclear talents

**350**

nuclear medicine specialists

**5000**

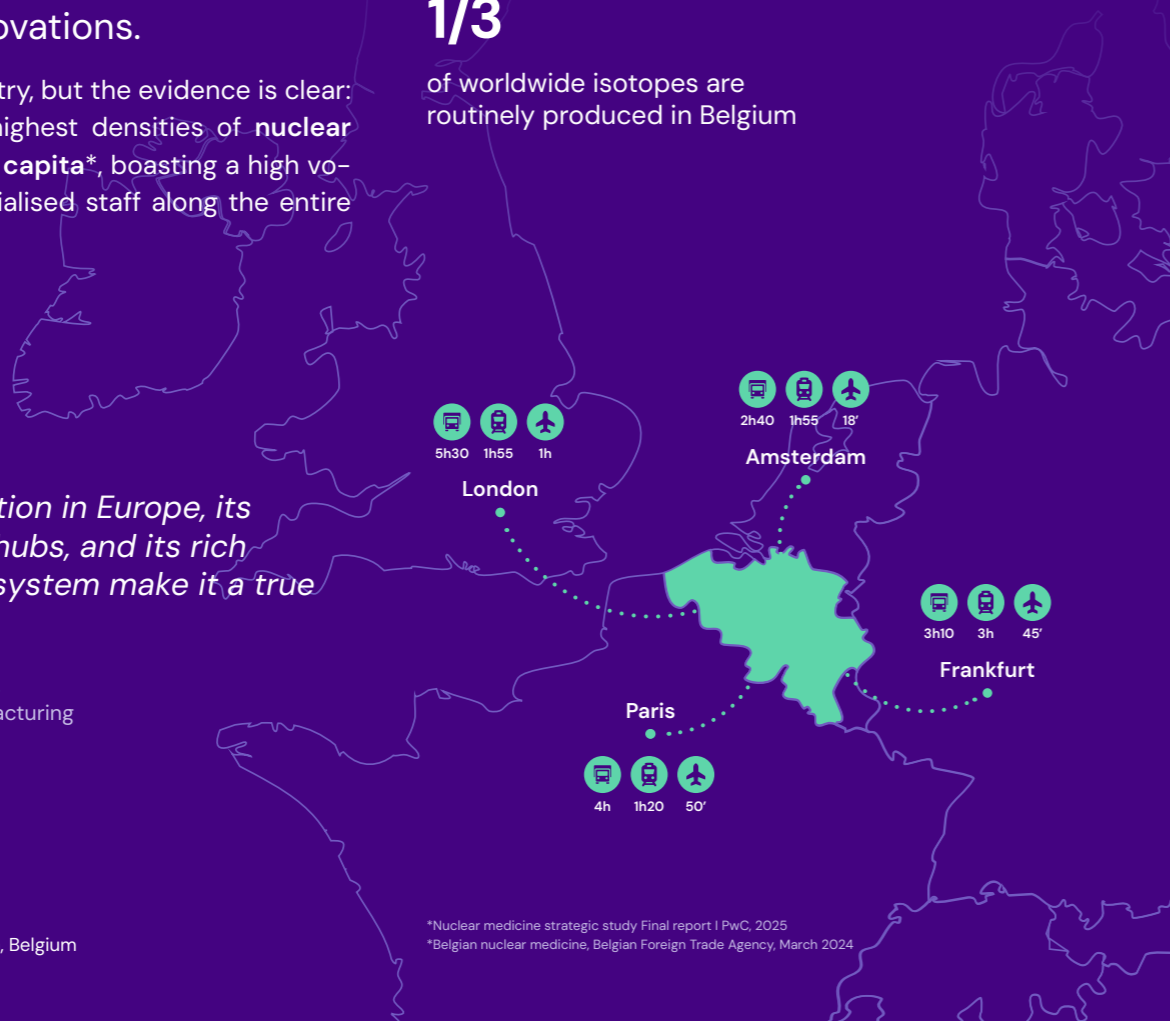
direct and indirect jobs

**65%**

of worldwide isotope production in peak times

**1/3**

of worldwide isotopes are routinely produced in Belgium



\*Nuclear medicine strategic study Final report | PwC, 2025

\*\*Belgian nuclear medicine, Belgian Foreign Trade Agency, March 2024

# Wallonia holds a strong position...

Wallonia, the southern region of Belgium, excels in nuclear medicine supporting millions of patients each year. With an integrated value chain, advancements in cyclotron and proton therapy, and close collaborations with key Flemish partners, Wallonia is a global leader in the field.

**30+**

Walloon actors active in the nuclear medicine value chain

**18+**

industrial nuclear medicine companies

**3800+**

direct and indirect jobs

**355M**

euros in added value

**Brussels**

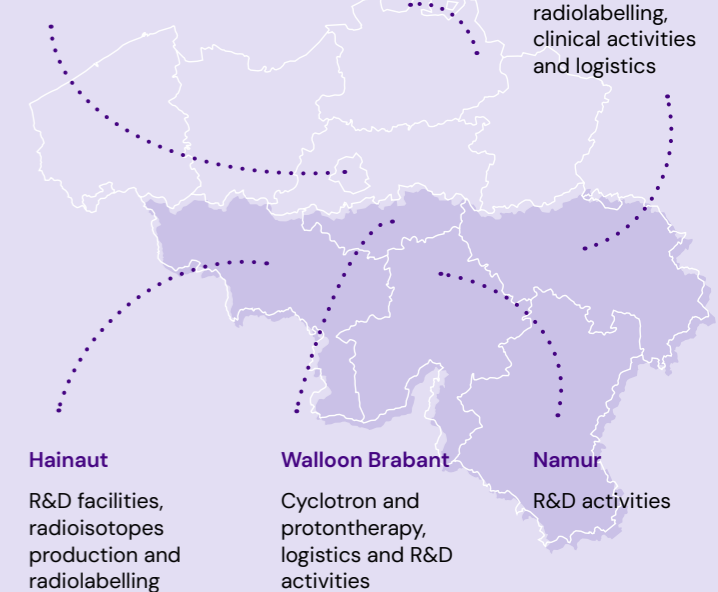
R&D facilities, clinical sites and regulators

**Antwerp\*\***

R&D facilities and radioisotopes production

**Liège**

R&D facilities, radiopharma equipment, radiolabelling, clinical activities and logistics



## ... in a dynamic market

Wallonia's nuclear medicine sector faces a pivotal moment as rising demand and new therapies reshape the landscape, determining its future role in the market.

**3-5**

times more demand in 10 years

- Theranostics as a key market enablers
- Alpha emitters as a new lever for the therapy of tomorrow
- Untapped opportunities in other fields, such as neurology and cardiology

\*\*Flemish actors that collaborate with the region.

## What makes Wallonia special?

Reactor- and cyclotron-based production capabilities mean Wallonia can mitigate global shortages of Lutetium-177 and Actinium-225.

Wallonia's fully-integrated ecosystem ensures reliable access to materials and critical isotopes.

New approaches such as theranostics and radioligand therapy, key market enablers that will only grow in the next decade.

## Future of nuclear medicine beyond oncology

Nuclear medicine is now making strides in:

*Neurology*  
*Cardiology*  
*Infectious diseases*

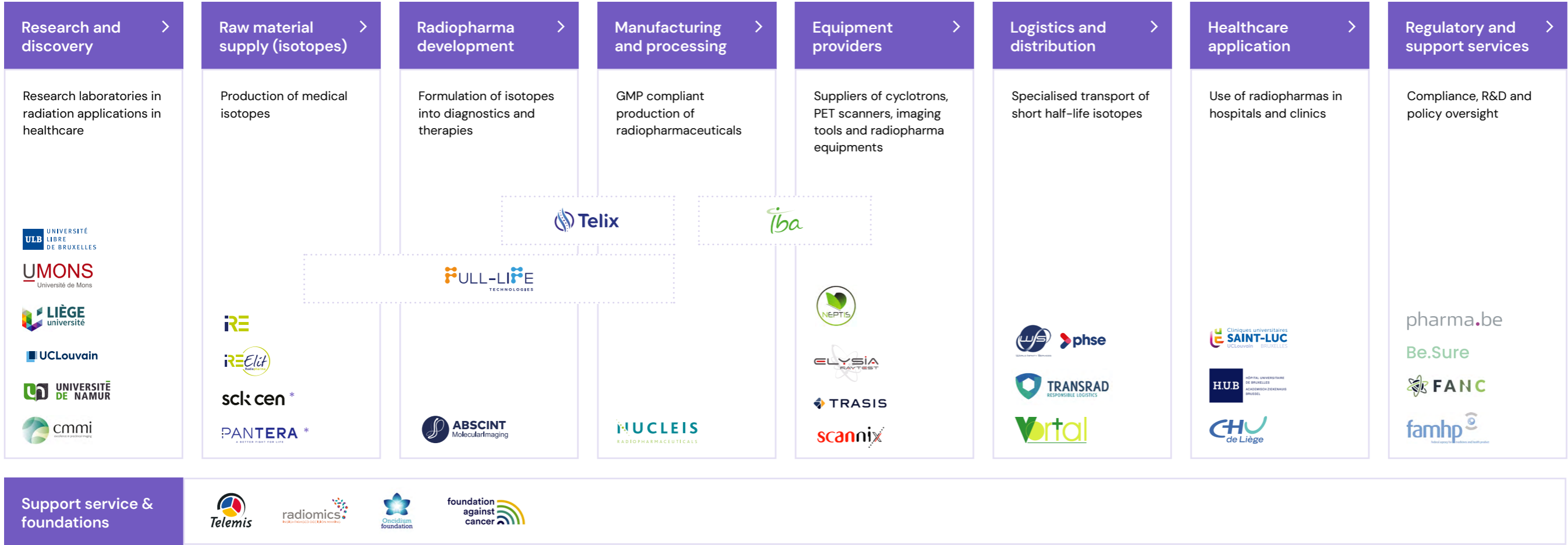
But Wallonia is also active in the field of alpha emitters (Actinium-225 and Astatine-211) offering new options for oncology.

# Wallonia's integrated nuclear medicine value chain

Unlike regions focused on isolated segments, Wallonia encompasses the full nuclear medicine ecosystem, from isotope production to patient treatment. Technetium-99 is produced at the IRE site from Molybdenum-99 made by SCK CEN. It is critical for diagnostics, while advances

in cyclotron technology and proton therapy drive innovation. Strong regulations and logistics ensure safe, efficient isotope delivery.

In addition, leading research centres, hospitals, companies, and specialised logistics within this value chain mean that the nuclear medicine infrastructure in Belgium is reliable, robust, and competitive.



\* Located in Antwerp

Non-exhaustive list of organisations and initiatives in Wallonia, including Flemish and federal actors that collaborate with the region.

# Funding accelerator & support organisations

Public and private investment organisations provide long-term funding for businesses and foreign investment projects in Wallonia. The investment is granted for longer periods than those generally granted by the interbank market.

Bioparks and science parks in Wallonia complement this by providing infrastructure, research networks, and support services for the development of these projects.



Non-exhaustive list of organisations and initiatives in Wallonia, relevant to nuclear medicine.

# Wallonia offers a business-friendly environment

Different types of incentives:

**20%**

of European guidelines for regional grants (2022-2027) in investment

**11%**

average cost reduction over a 4-year period in employment

**50-80%**

subsidy for basic industrial research\* in R&D

**20-25%**

nominal corporate tax rate for SMEs

Check out the life sciences in Wallonia brochure for more.



# Your Walloon contact points



## BioWin

BioWin connects the best in Walloon entrepreneurship, science, medicine and engineering to help transform innovative health-tech and biopharma ideas into concrete health outcomes. BioWin does this through a series of tailor-made services and is committed to supporting its brilliant network of members and ultimately serving the patients who will benefit from the advances that they help champion every day.

FIND OUT MORE  
[biowin.org](http://biowin.org)

Scan the QR code to learn more about our recent collaborative nuclear medicine innovation projects



## AWEX

A one-stop shop for all foreign companies interested in locating to Wallonia or expanding their existing activities. AWEX is also the complete partner for all Walloon companies wishing to develop overseas.

FIND OUT MORE  
[awex-export.be/fr](http://awex-export.be/fr)



## Public service of Wallonia

The Government of Wallonia oversees the legislation of areas such as economy, employment, training, infrastructure, international relations... within the framework of regional affairs.

FIND OUT MORE  
[spw.wallonie.be](http://spw.wallonie.be)

# Innovating in nuclear medicine?



Contact us today to find out how  
Wallonia can support you.

**BIOWiN**

Business Village Ecolys  
Avenue d'Ecolys 2, bte 29  
5020 Namur (Belgium)  
VAT: BE 0882.768.591

email: [contact@biowin.org](mailto:contact@biowin.org)  
website: [biowin.org](http://biowin.org)  
Linkedin: [biowin](https://www.linkedin.com/company/biowin)

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