



Radiotherapeutics CDMO (Spin-off of  Centre for Probe Development and Commercialization)

Introducing AtomVie Global Radiopharma Inc.
Hamilton Health Innovation Check-up
August 29th, 2022

• Empowering Next Generation Radiotherapeutics •



• EMPOWERING NEXT GENERATION RADIOTHERAPEUTICS •

Our Mission

Transforming lives by revolutionizing healthcare.

Our Vision

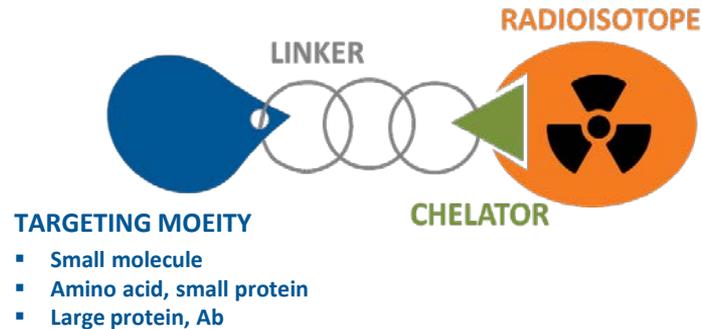
AtomVie is a global leader in the radiopharmaceutical industry dedicated to transforming patient's lives by advancing high quality drugs for the diagnosis & treatment of diseases.



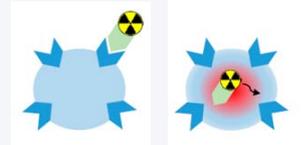
Radiopharmaceuticals

Pharmaceuticals that carry a radioactive payload

- Targeted radiotherapy

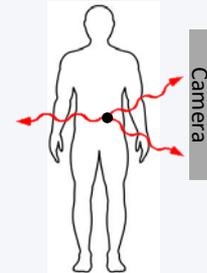


α , β^- emitters
(e.g. ^{225}Ac , ^{131}I , ^{177}Lu)



THERAPEUTICS

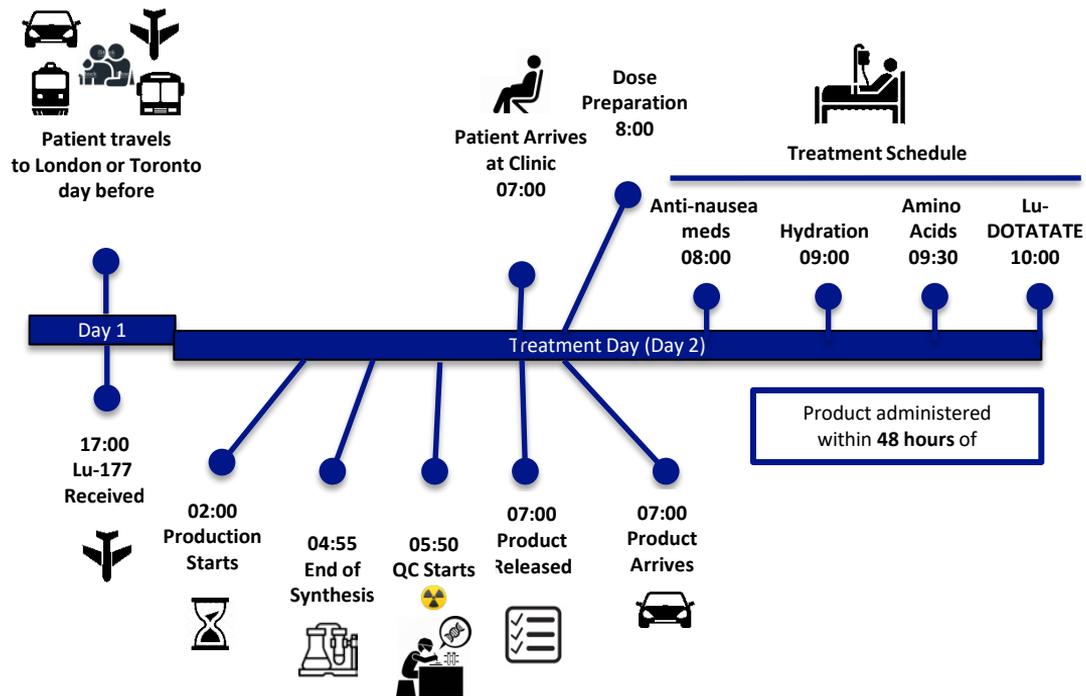
β^+ -positron, γ emitters
(e.g. ^{18}F , ^{68}Ga , $^{99\text{m}}\text{Tc}$)



DIAGNOSTICS



A day in a patient's life



Just in time manufacturing

Right first time approach

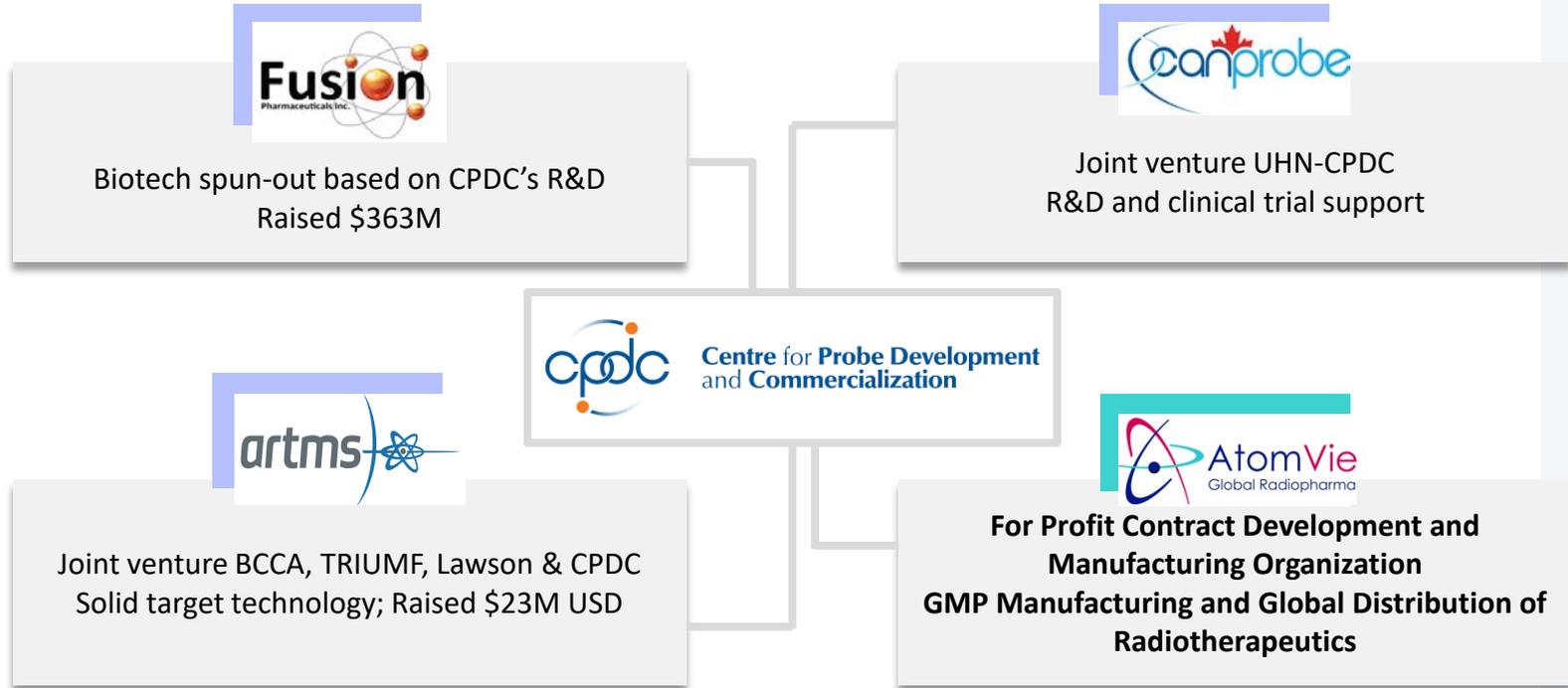
A **positive** impact on the patient



AtomVie's Origin – Centre for Probe Development & Commercialization (CPDC)



CPDC Outreach - Company Creation



Expertise Transfer to AtomVie



Completed over **30** radiopharmaceutical development and manufacturing projects

Designed and commissioned **5** radiopharmaceutical facilities

Validated radiotherapies for **IND, IMPD** and **CTA** submissions

Supply over **10** products clinical trials globally (**15** countries)
Distributed > **1,300** doses of final drug products



AtomVie Services Throughout Drug Development



- Analytical Methods and Process **Development & Validation**
- Tech Transfer, Optimization and Validation
- Experienced in **Lu-177, Ac-225, I-131**
- Expertise working with **small molecules, peptides, small and large antibodies**
- Experienced **R&D partners**



- **GMP Drug Clinical and Commercial Manufacturing**
- **Logistics & Distribution**
- **Quality and Compliance**
- **Scale-up Processes**

Pre-Trial Activities

Trial Planning

Trial Execution

Market



- Research Ethics Board Submissions
- **Regulatory Affairs:** CTA/IND Filing & Amendments
- Experienced with HC, FDA, and EMA

Purpose-Built Facility

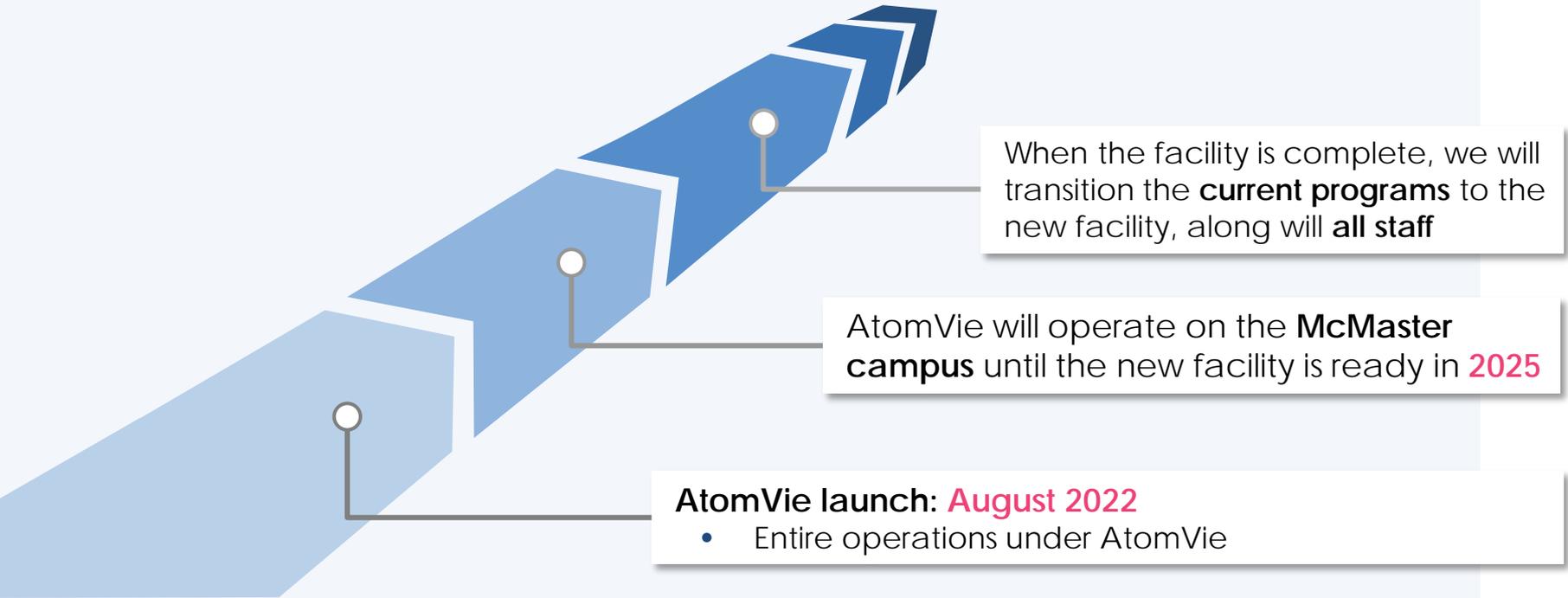


Highlights

- 14 clinical and commercial cleanrooms
- QC/Micro lab areas
- Material storage
- Decay room
- Packaging area
- Shipping area



Launch Timeline



Avego invests at least \$40M into AtomVie



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AtomVie Global Radiopharma Inc. Announces its Spinout and Series A Financing with Avego

NEWS PROVIDED BY
[AtomVie Global Radiopharma Inc.](#) →
Aug 24, 2022, 09:00 ET

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AtomVie Global Radiopharma Inc. (CNW Group/AtomVie Global Radiopharma Inc.)



Avego Management, LLC (CNW Group/AtomVie Global Radiopharma Inc.)



The Market for Radiotherapeutics



Targeted radiotherapy: The targeting molecule seeks out the tumors selectively where the isotope delivers lethal doses of radiation

Recent drug approvals include Novartis' Lutathera®

- \$475M USD of sales in 2021

Pluvicto™ (PSMA-617, Lu-177-PSMA targeting therapeutic)

- Endocyte bought the rights from ABX for \$12M (Oct. 2017)
- Novartis bought Endocyte for \$2.1B (Oct. 2018)
 - Global market for prostate cancer treatments estimated at \$11B by 2024 (Novartis)



Global radiopharmaceutical market is expected to exceed over \$10B by 2026 & CDMO >\$5B by 2030

- Industry Research (April, 2021)

Growing pipeline of radiotherapeutics to reach market in the coming years



AtomVie Global Radiopharma offers **clinical & commercial radiopharmaceutical manufacturing** services paired with remarkable connections to **global partners**. AtomVie's unique standing in the radiopharmaceutical industry due to **CPDC's history and contributions** to the global market, prove its **agility** and ability to provide outstanding **Ontario-based** solutions to your needs.



AtomVie
Global Radiopharma

- Empowering Next Generation Radiotherapeutics ●

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