



SOUTHWESTERN ONTARIO
ISOTOPE COALITION

Our isotopes advantage

SOIC Co-Chair reflections

SOIC continues to **secure meaningful partnerships** with public and private entities. Driving awareness and advocacy efforts, the Coalition will also **leverage innovation to support the region's isotope ecosystem** for years to come.

Jessica Linthorne

President & CEO, Nuclear Innovation Institute

Our logistical advantages

This region can help build out the isotopes value chain because of:

- ▶ Bruce Power site
- ▶ Isotope production system
- ▶ Supportive municipal governments
- ▶ Existing isotope ecosystem



Key infrastructure

Bruce Power reactors



Rural hospitals



Innovation hub



Strong coalitions



Research & education



Our logistical advantages

- ▶ Local packaging and logistics expertise
- ▶ Regional and international airports
- ▶ Less than three-hour drive from Toronto



By the numbers: isotopes in Southwestern Ontario

40%

of global single-use
medical equipment
sterilized with
Bruce Power
Cobalt-60

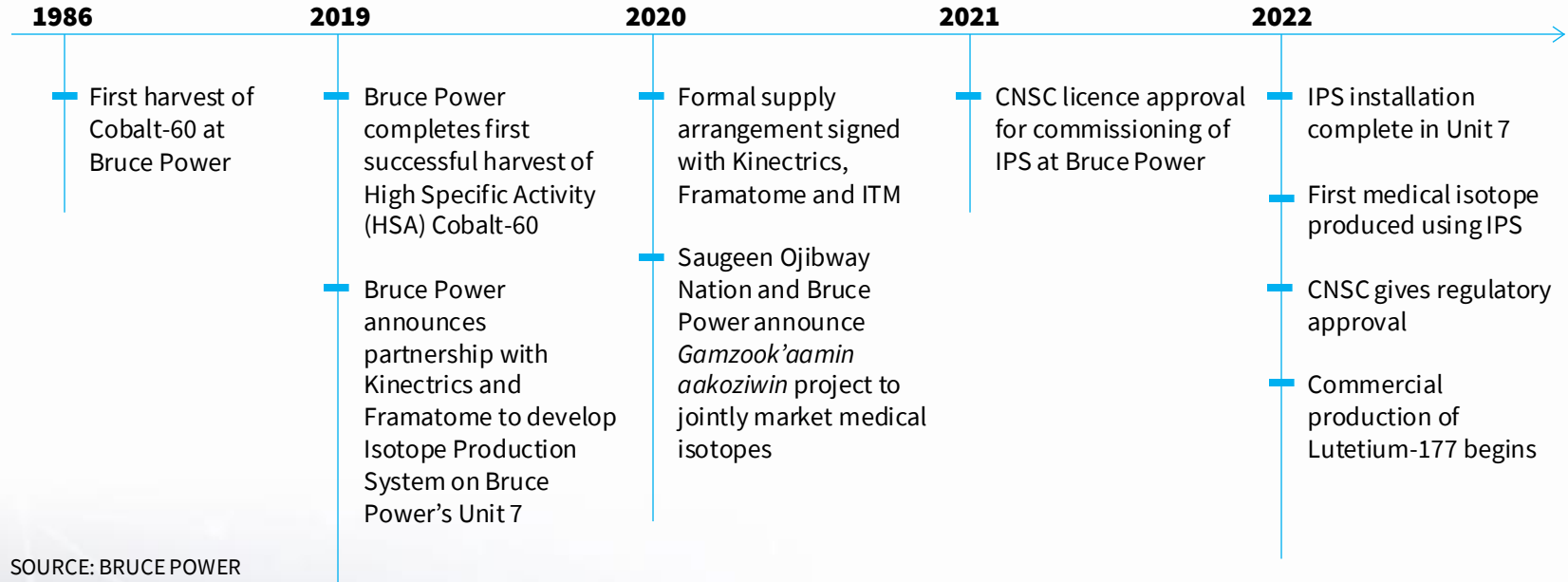
2x

Lutetium-177 production
started in 2024 to treat
diseases like prostate
cancer

28

SOIC regional partners...
and growing!

Timeline of our isotope production



SOURCE: BRUCE POWER

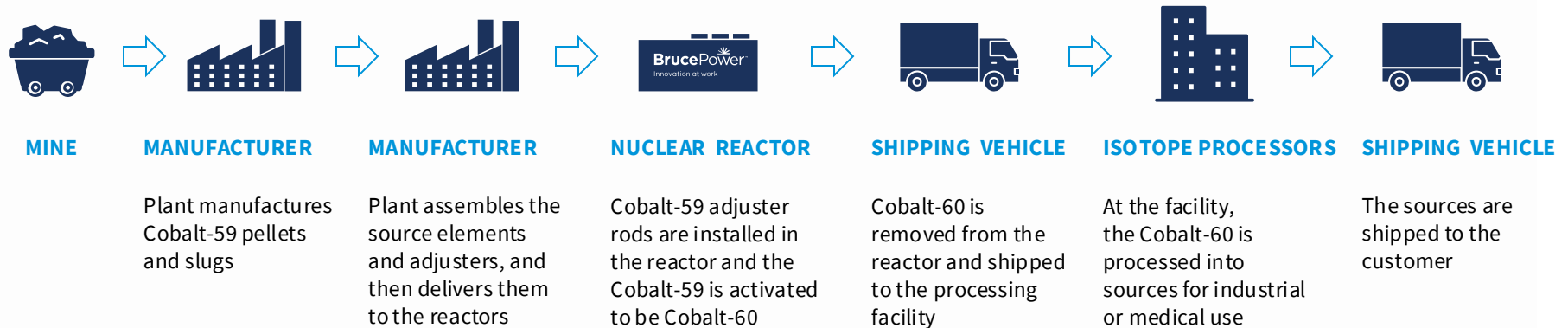
SOIC Co-Chair reflections

As isotope demand grows, Canada is **on the verge of a transformative opportunity**. By uniting through initiatives like SOIC, our communities can position themselves not just as contributors to isotope production but as **drivers of Canada's growing role as an isotopes powerhouse**.

James Scongack

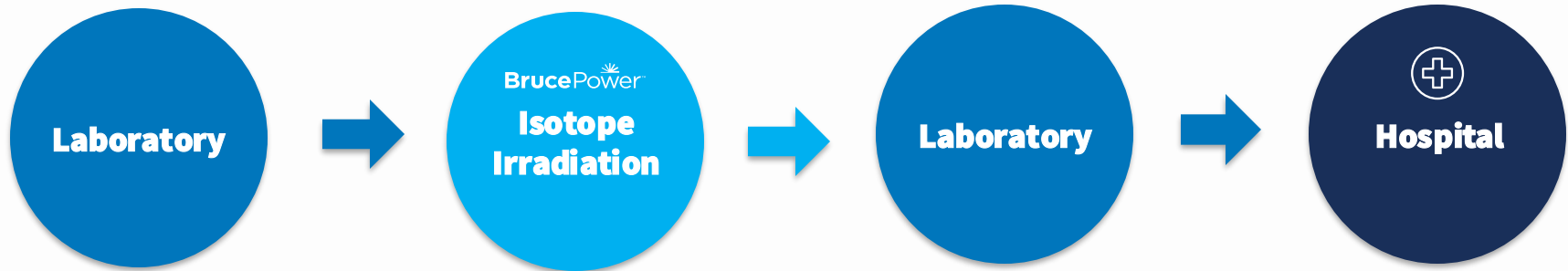
Chief Operating Officer & Executive VP, Bruce Power

Isotope production chain: Cobalt-60



SOURCE: BRUCE POWER

Isotope production chain: Lutetium-177



Fresh targets sent to Bruce Power

Irradiated targets sent to laboratory

Pharmaceutical Lu-177 sent to hospitals

There is no incremental long-term radioactive waste generated by the radio-isotope production.

Southwestern Ontario isotope ecosystem



SOIC partner spotlight



Be an explorer.



Gamzook'aamin aakoziwin
FIGHTING CANCER TOGETHER



Centre of Excellence
in Rural Health



PROMATION



SOIC Co-Chair reflections

The *Gamzook'aamin aakoziwin* partnership represents an opportunity for us to **not only help our own people**, but all people across the globe. We're teaming up on the sickness so that **the next seven generations** may enjoy a cancer-free future.

Theron Solomon

Councillor, Chippewas Of Nawash Unceded First Nation

SOIC partner spotlight

Collingwood

- Isowater

Goderich

- Gateway Centre of Excellence in Rural Health
- Huron County
- Huron Health System

Hanover

- Town of Hanover

Kincardine

- Framatome
- Town of Kincardine

London

- Western University

Oakville

- Promotion

Owen Sound

- A.I. VALI INC.
- Brightshores Health Systems
- BWXT Medical
- City of Owen Sound
- Georgian College
- Grey County
- STEVCON Packaging & Logistics Ltd.
- Township of Georgian Bluffs

Port Elgin

- Nuclear Innovation Institute
- Town of Saugeen Shores
- Fermi Solutions

Saugeen Ojibway Nation

- Gamzook'aamin aakoziwin

Tiverton

- Bruce Power
- Kinectrics

Toronto

- Canadian Nuclear Isotope Council

Walkerton

- Bruce County
- Municipality of Brockton

Western Ontario

- Western Ontario Wardens Caucus Inc.

Wingham

- Township of North Huron

SOIC partner spotlight



SOIC Co-Chair reflections

By leveraging our region's potential in isotope production and development, we position ourselves as **a leader in innovation and global health**. We aim to attract **key isotope initiatives** for a healthier, sustainable future for people in our region and around the world.

Ian Boddy

Mayor, City of Owen Sound

Questions?



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soic.ca



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