



# CEO presentation AGM 2024

Update on current development activities in Thor Medical

11 April 2024

# Becoming a world-leading supplier of alpha-emitters for cancer therapy



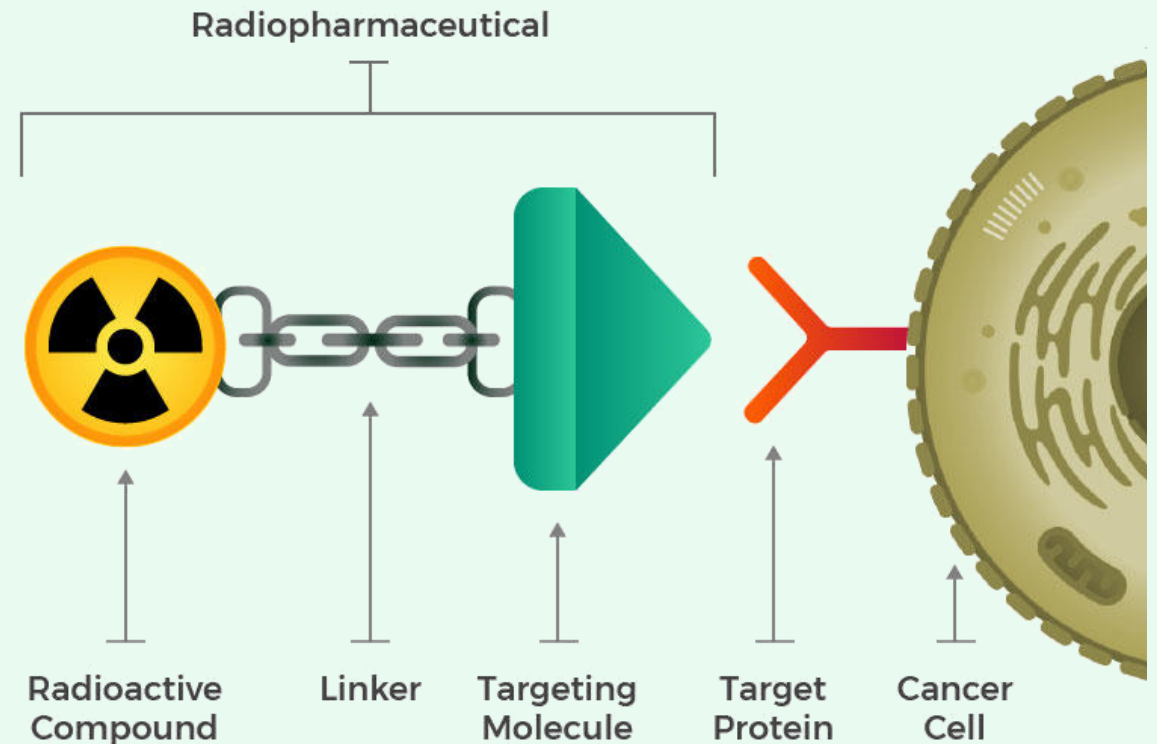
**Cancer is a leading cause of death** worldwide, accounting for around 10 million deaths per year



**Radiotherapeutics** represents one of the **fastest growing cancer treatment options**



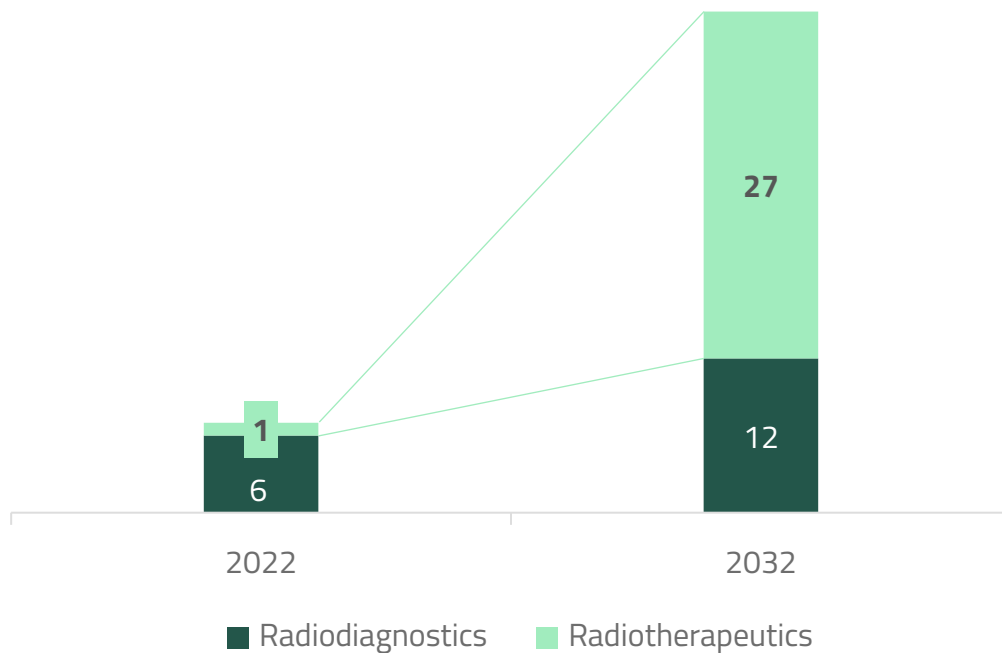
Thor Medical enables a transformation of cancer care with **alpha-emitters for next-generation precision treatment**



# Radiotherapeutics represent a large market opportunity

## Global radiopharmaceutical market

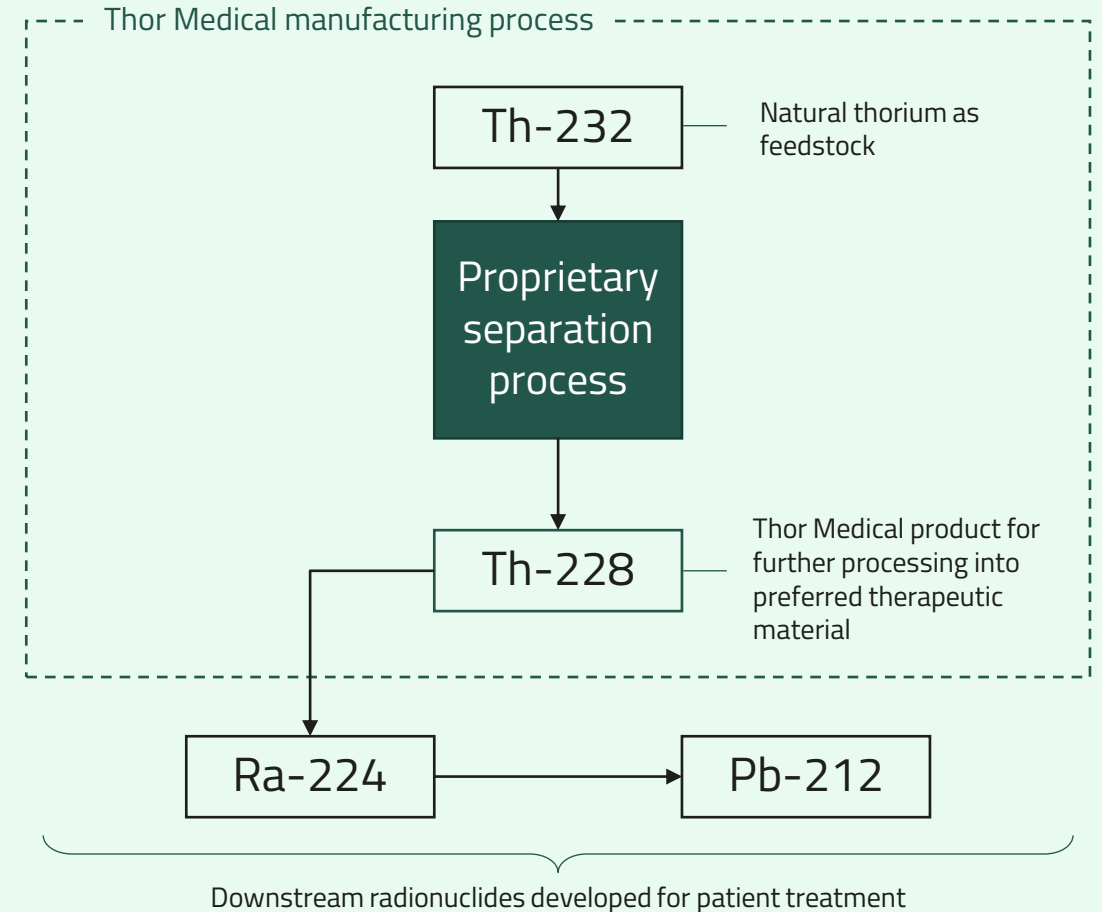
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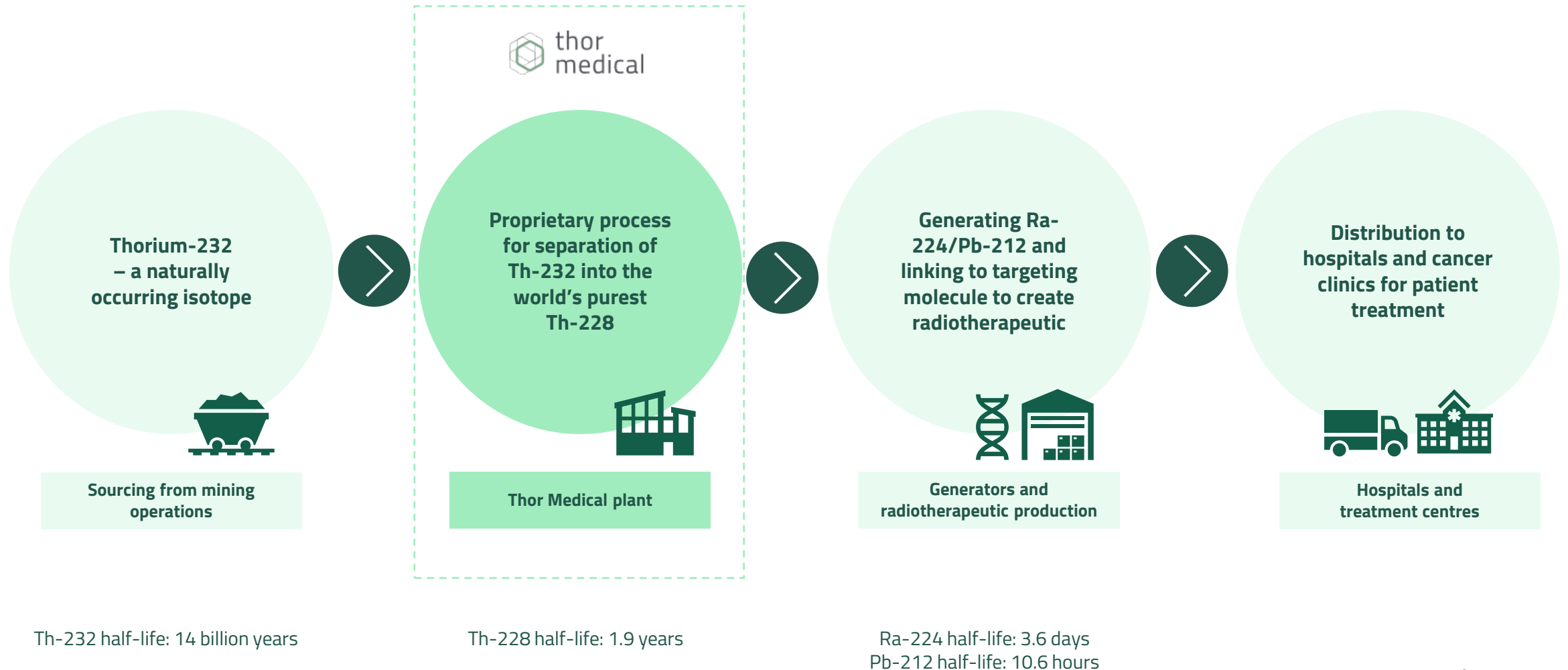
- New cancer radiotherapeutics have reached sales in the **USD hundreds of millions**
- Several hundred radiopharmaceuticals in development, **creating strong future demand for radioactive compounds**
- Next-generation precision cancer treatment focusing on **targeted alpha therapy** enabled by **alpha-emitting radioisotopes**
- **Pb-212 derived from Thorium-228** is one of the most promising alpha-emitting radioisotopes

# Proprietary and verified technology offering the world's purest radionuclides

- Natural thorium Th-232 as feedstock for Thor Medical's process
- Delivering high purity Th-228, independent of nuclear reactors or accelerators
- Reliable and cost-effective supply of alpha-emitters
- Recirculation of Th-232 and chemicals



# Turning waste into next-generation cancer therapies

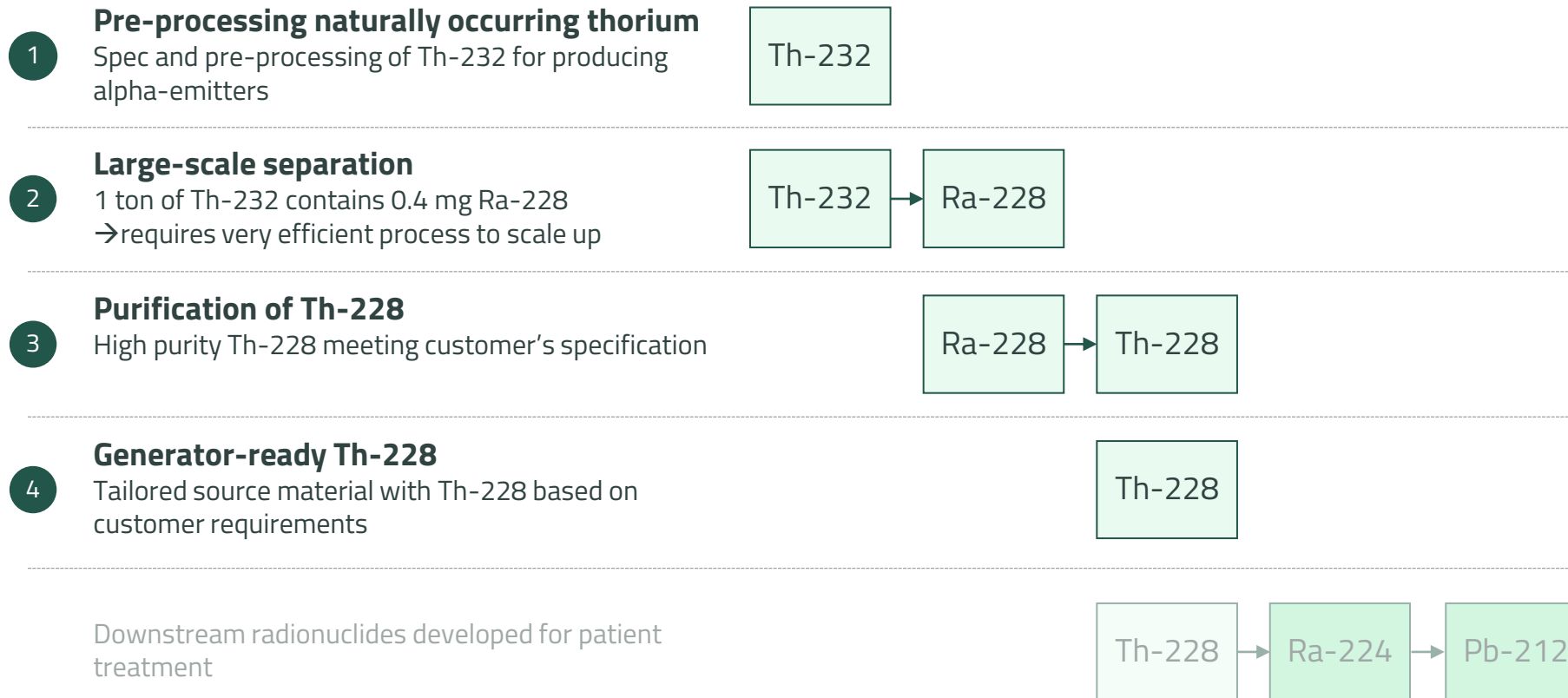


# Sourcing of feedstock of natural Thorium-232

- Th-232 is a byproduct from many mining activities which opens several opportunities for Thor Medical medium/long term
- Currently qualifying one supplier with concentrated Th-232 commercially available
- Negotiations with several other potential suppliers of Th-232 minerals for industrial scale ongoing
- Transporting and working with radioactive products and materials requires specific regulatory approvals and licenses governed by The Norwegian Radiation and Nuclear Safety Authority (DSA) and IAEA
- Currently working with all documentation and licenses required for pilot and expected to be in place well before start-up

# Proprietary separation process and purification of alpha-emitters

Thor Medical's proprietary separation process / IP



**Proven and scalable** separation method with 99.9% yield

**Delivered high purity** alpha-emitter, both chemically and with respect to radioactive impurities

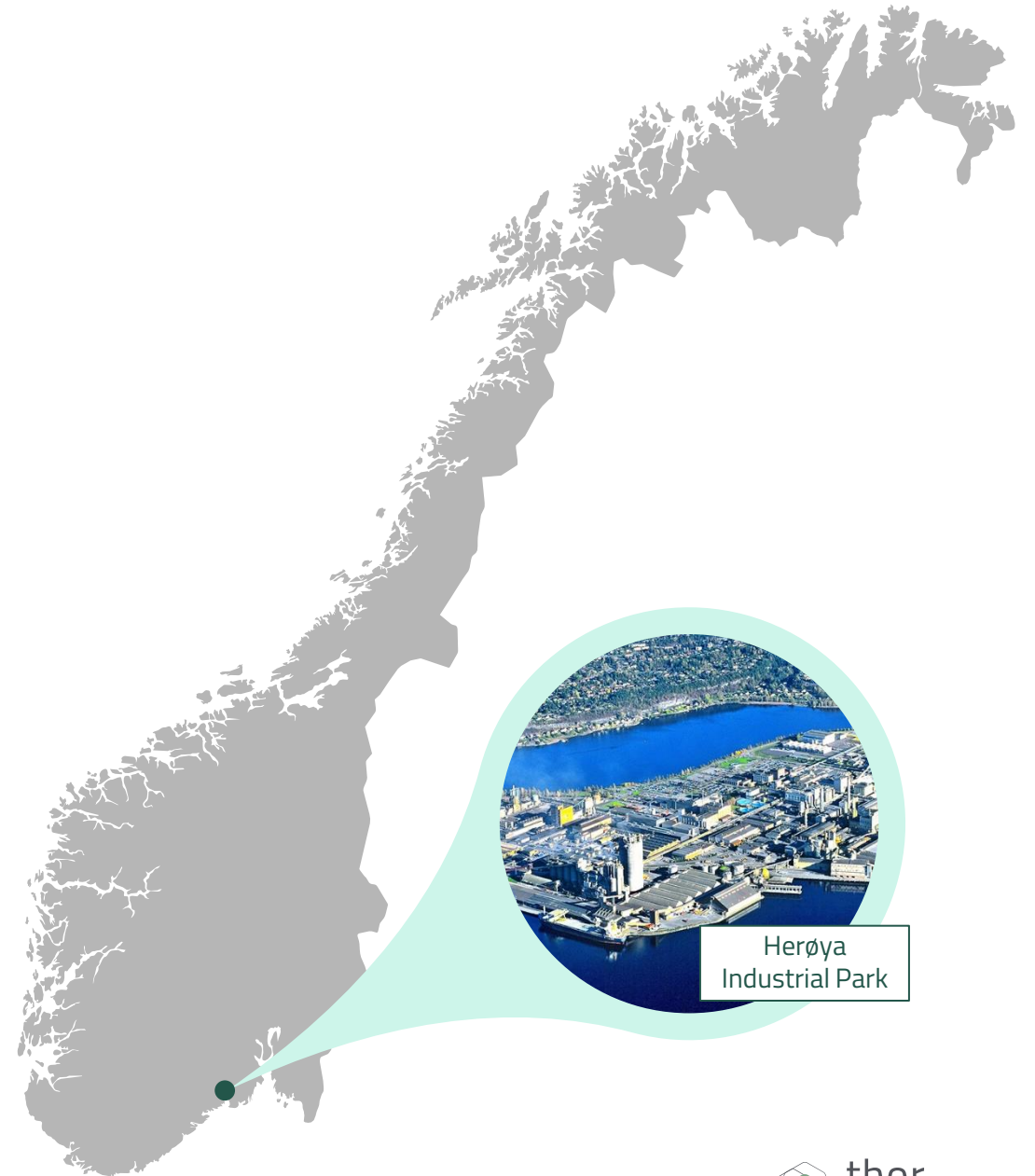
**Tailored** source material improve the customer's yield and efficiency

# Building pilot facilities at Herøya to prepare for industrialization

- Investing NOK ~10m in pilot facilities at Herøya with NOK 6m grant from Innovation Norway

## Pilot completion in 2H 2024 provides basis for:

- Verification of production process and technology
- Producing customer samples from 2H 2024
- Scale-up to industrial manufacturing

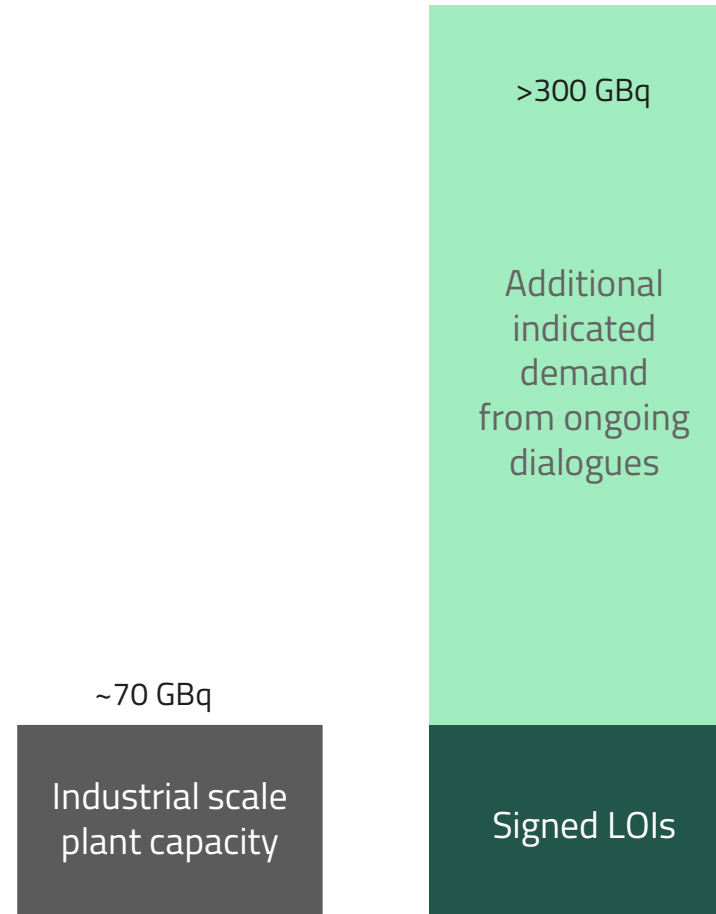




# Customer relations

- We have signed three Lol with potential customers
- Customers progressing in clinical trials, indicating we might get orders earlier than initially expected
- Growing interest in radiotherapeutics from "Big Pharma" with announcement of large transactions
- **We have the highest priority on completing the pilot plant and deliver product samples to customers**

Indicated demand is 4-5x the planned industrial scale plant capacity



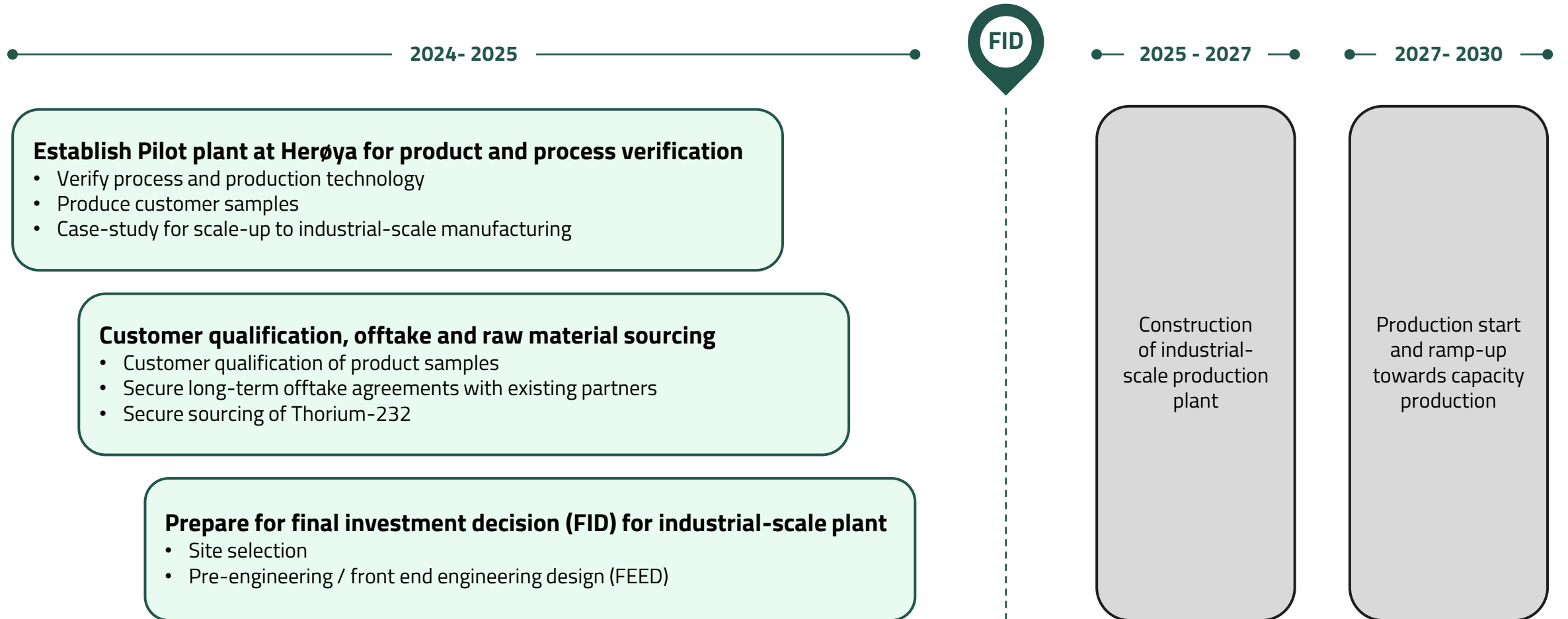
Companies focusing on Pb-212 and Ra-224



Not exhaustive



# Roadmap to FID on industrial scale production



# Opportunity to fast-track industrial-scale volumes to market by 2025

- Thor Medical progressing well in all aspects of the value chain to become a leading supplier of alpha-emitters with pilot plant start-up scheduled for second half of 2024
- Customers progressing with clinical trials and requesting high purity Th-228 already in 2024/25
- Looking at opportunities to fast-track industrial scale production to bring commercial volumes by end of 2025, with lower volumes and significantly reduced capex
- Decision for fast-track is subject to successful start-up of pilot plant, delivering customer samples and converting customers LOIs into sales agreements, and completing engineering study

# Conclusions

- 1 Thor Medical has a small, but complete organization to cover all challenges on the way to become a high-quality supplier in the global radiopharmaceutical market
- 2 We are making progress on all aspects of the value chain with planned pilot plant start-up in 2H 2024 for delivering product samples for customers
- 3 We are pursuing opportunities for “fast track” production of commercial volumes at reduced capex already by end of 2025





Thor Medical is an emerging supplier of radionuclides, primarily alpha particle emitters, for medical use in cancer therapy. Its proprietary production technology requires no irradiation, and provides reliable, environmentally friendly, cost-efficient supply of alpha-emitters for the radiopharmaceutical industry.

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