



TECHNOLOGY:

100MWe molten salt reactor

- 100MWe for off grid applications
- 250MWth industrial grade heat 550°C
- Attractive LCOE of € 60 per Mwh
- Low-pressure operations, walk-away safe
- Fuel circularity by design



TIMELINE

Progress & milestones

- | | |
|------|--|
| 2025 | 3 loops operational in lab
Finalized 3 siting prefeasibility studies
Preparatory review with 3 countries |
| 2026 | Pump prototype + HX test
Demonstrator site selection (NL/FR)
Fuel salt irradiation + purification |
| 2027 | Non-nuclear demonstrator operational |
| 2030 | Start of construction Pioneer |
| 2034 | Start of construction Thorizon One |

IMPACT FOR EU

A truly innovative European project

- European tech, team, partners & IP
- Potential to lead in AMRs vs US & China
- Inherently safe SMR & best waste profile
- Secure energy sovereignty
- Valorize spent fuel stocks, close cycle

Europe needs to accelerate to face competition with US and China in AMR development

