CUSTOMER REFERENCE



PRODUCTION UNIT OF RADIO-ISOTOPES

Context

The main purpose of the Institute of Radioelements (iRE) is the production of radioisotopes used for diagnosis and therapy, in nuclear medicine. The iRE has decided to produce Germanium-68 (GE-68) on his own site and has commissioned EKIUM to carry out the studies and follow-up of the construction of the new building, in which the cyclotron and the hot cells allowing the production of GE-68 will take place.

Mission

- Project definition
- Basic design with estimated budget and planning
- EPCM mission on the building in association with an architect
- Project management

Specificities

- New building of 4500 m² with submission of the single permit
- GMP and nuclear regulatory constraints
- the HVAC zones (redundancy, nuclear filtration,...)
- Creation of clean rooms ISO8 and with negative pressure
- Integration of the specific equipment ; cyclotron, armored doors, Hotcells, pneumatic transport shuttle
- Technical coordination made via Revit
- HVAC risk analysis
- Commissioning and balancing of the pressure cascades
- Organization of the qualifications



General Presentation Ekium | 1



Market

Biopharmacy Nuclear medecine Sector

Structural works + outskirts Completion HVAC Electricity

Amount

CA > 1 M€ Investment 10 M€ < CA < 15 M€ Outside Cyclotron Year

2020 - 2024

Location

Belgium



