

CHALLENGES

The non-destructive characterization of radioactive waste and materials may require multiple handling operations of large volume containers. Depending on the container composition and the desired characterization data, several measurement stations may be necessary. While manual transfer of containers from one station to the other can be an option, automation of these measurement lines can **enhance safety and optimize measurement processes**.

SOLUTION

Our skills in engineering and automation are applied to the design and manufacturing of mechanical systems for measurement stations or lines.

They integrate automation systems (conveyors, rotating plates, robots, cobots, etc), remote control, smart software and human-machine interfaces.

They can concern existing measurement stations and/or new ones provided by us. For instance, neutron counting, X-ray imaging systems, gamma spectrometers, weighing systems, calorimeters, etc. We carry out mechanical design, safety studies, electrical design, control-command, IT development.

BENEFITS

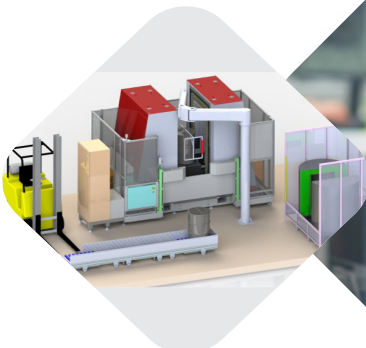
Enhance safety

- By reducing the operators' exposure to radiation
- By optimizing human factors
- By limiting the carriage of heavy loads

Optimize processes

- By limiting positioning errors in the measurement station
- By improving measurement traceability with automated container identification
- By speeding up container handling

ENGINEERING & CONSULTANCY



Schematics of an automated measurement line including a conveyor and a linear manipulator



STUDIES AND EXPERTISE

Pre-studies based on your needs

CUSTOM DEVELOPMENTS

Let's Innovate together

AUTOMATION CAPABILITIES

Mechanical and Handling Systems

NUCLEAR SAFETY

Coverage of your Operational Constraints

MULTI-DISCIPLINARY TEAM

A specialist for all your needs