



NUCLEAR

SHIELDED SYSTEMS & HOT CELLS



UKAEA Material Hot Cell Design, build and install

The Aquila team has many years of experience in the nuclear industry which includes the specialist areas of containment, shielded systems, remote handling and nuclear packaging.

Our engineers have been involved in projects from the design concept stage right through to manufacturing, testing at our factory and installation/commissioning on the clients' sites.

Clients engage with Aquila at different stages in the delivery process, but we like to get involved as early as possible so that we can share best industry practice from the start, saving time and money and delivering to our clients' exact requirements.

Delivery Stages

- Feasibility studies and cost options
- Engineering substantiation and validation
- Concept design and detail schemes
- Full size mock up for handling/ergonomics trials and human factors assessment
- Budget pricing from concept designs and detail schemes
- Detail design and manufacturing drawings for shielded facilities including the complete process
- Full manufacturing specification including NDT
- Manufacture supply and procurement
- Full assembly and factory acceptance tests (FATS)
- Installation and site acceptance tests (SATS)
- Life Time Quality Records
- Scintillation testing at Aquila workshop



Shielded Export Cell for Magnox at Berkeley



Beamline End Cell for high Energy Pelletron line, Dalton Institute

 A Calder Group Company

Find us on -  



Aquila Nuclear Engineering Ltd

Fresh thinking, safe hands.

T: +44 (0) 1962 717 000
E: info@aquilaeurope.eu

www.aquilaeurope.eu