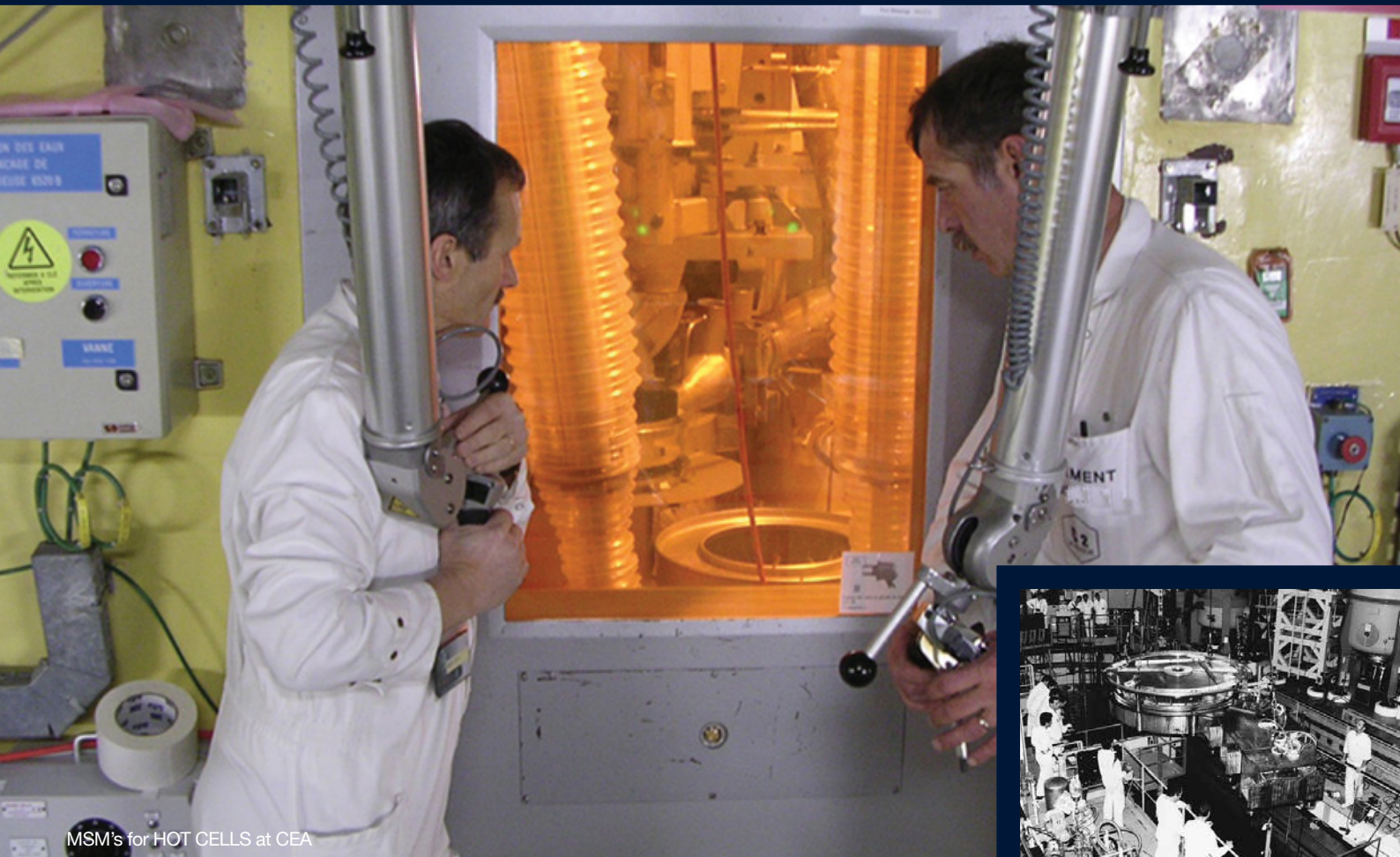


NUCLEAR

REMOTE HANDLING FOR RESEARCH, PRODUCTION & DECOMMISSIONING



MSM's for HOT CELLS at CEA



Institute Laue Langvin, remote 6 axis underwater reactor cutting machine

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

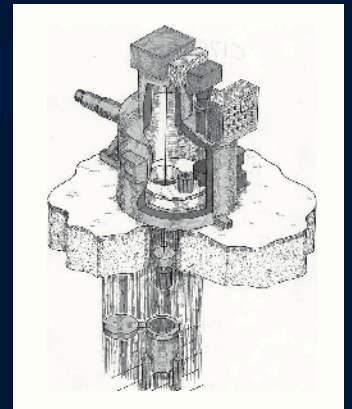
- Feasibility studies and cost options
- Engineering substantiation and validation
- Concept design and detail schemes
- Full size mock up for handling and functionality trials
- Budget pricing from concept designs and detail schemes
- Detail design and manufacturing drawings for complete system
- Full manufacturing specification including NDT
- Manufacture and procurement
- Full assembly and factory acceptance tests (FATS)
- Installation and site acceptance tests (SATS)
- Life Time Quality Records
- Annual maintenance
- Spares management

Remote handling applications cover

- Sourcing commercially off the shelf (COTS) systems where suitable. Master Slave Manipulators, Power Manipulators, Hybrid Systems.
- Remote grabs, manual and powered with intelligent feedback for drums, containers and kegs
- Special remote tooling for material samples and placement of instrumentation
- Special remote tooling for inspection, repair or recovery situations
- Remote handling for decommissioning, waste handling, size reduction and fuel handling



Fuel element handling machine
Dungeness B



Filter element handling machine
Sizewell B

 A Calder Group Company

Find us on -  



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Fresh thinking, safe hands.

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