

Stuart Watson
B462 Operations Manager

Harwell – 462 RH-ILW Overview
Harwell Site Stakeholder Group

Official





Waste Origins

- *Waste origins from start of site ~ 1950s*
- *Waste from Harwell & Winfrith*
 - 14 different research reactors
 - particle accelerators, PIE, radiochemical
- *Waste from Hospitals, industry, other sites etc*



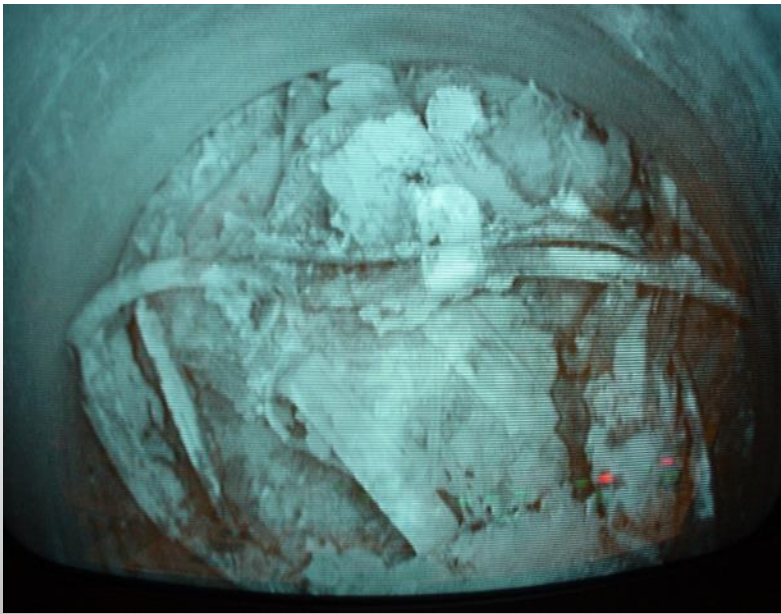
Sea Disposal ceased 1983



Tube Store during construction

Mission

Hazard reduction, passive safety, disposal



Retrieval Machine 2 Retrievals

- 783 Tubes – 657 cleared /126 Remaining
- 84% Complete

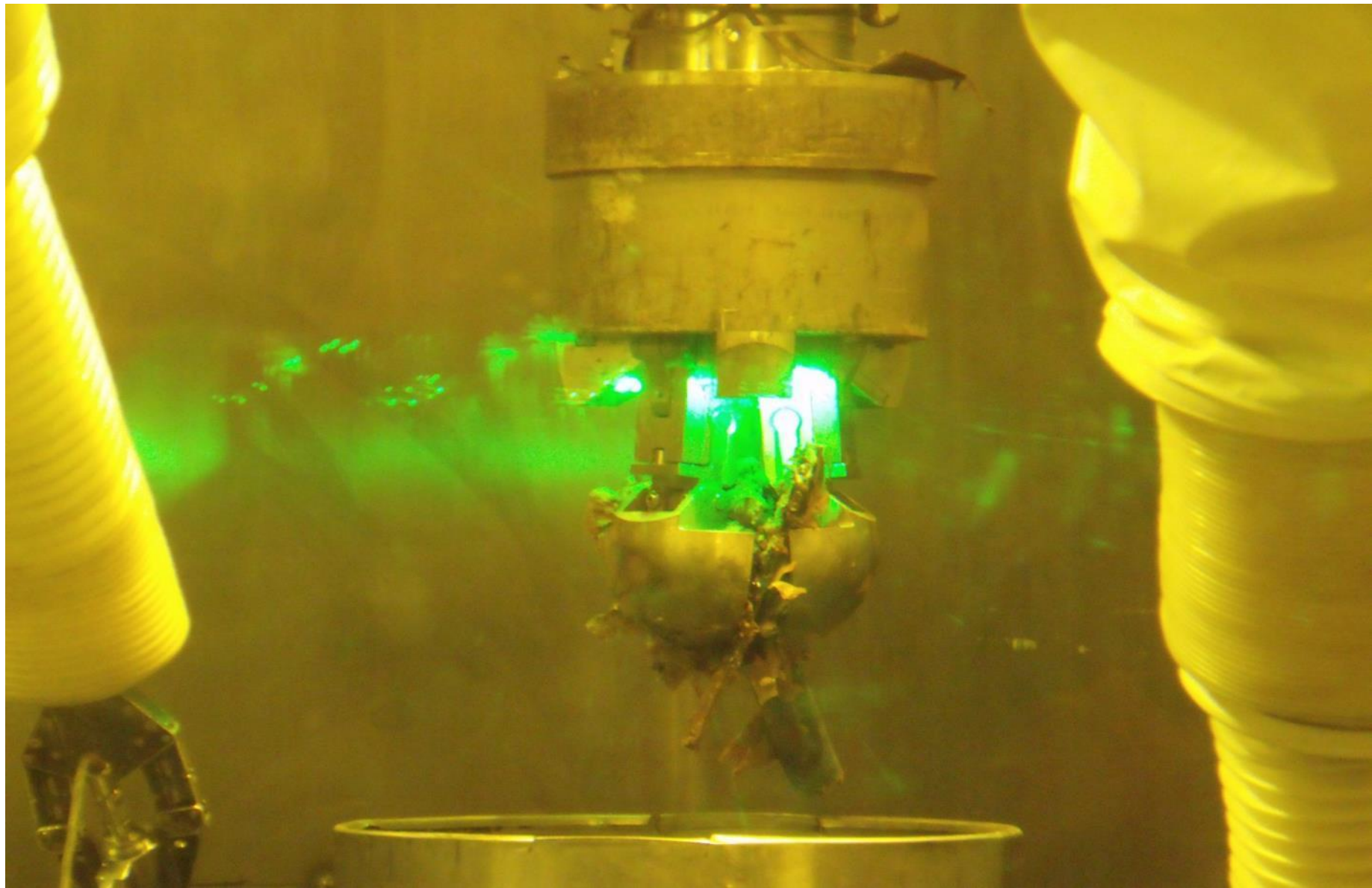






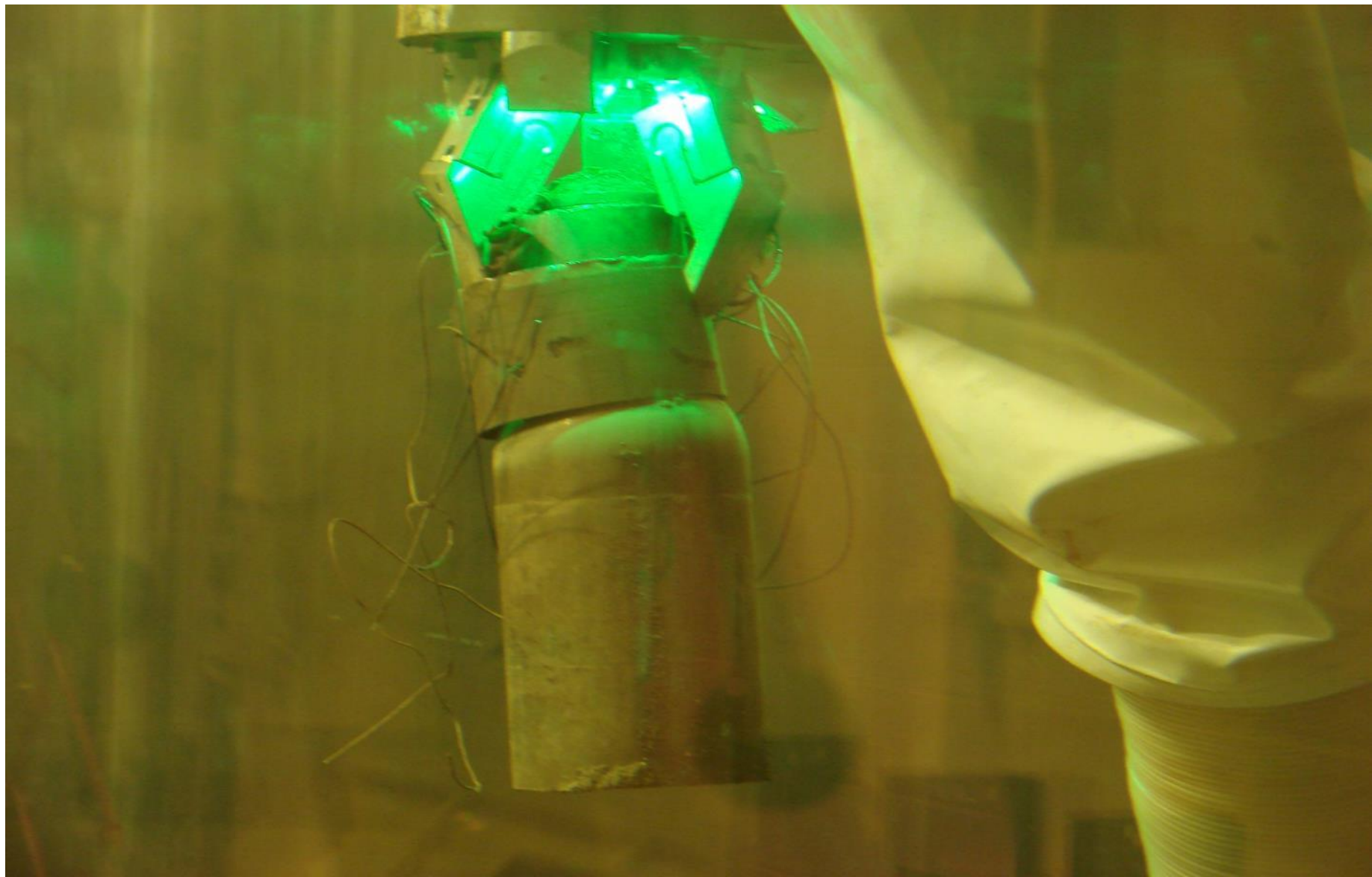
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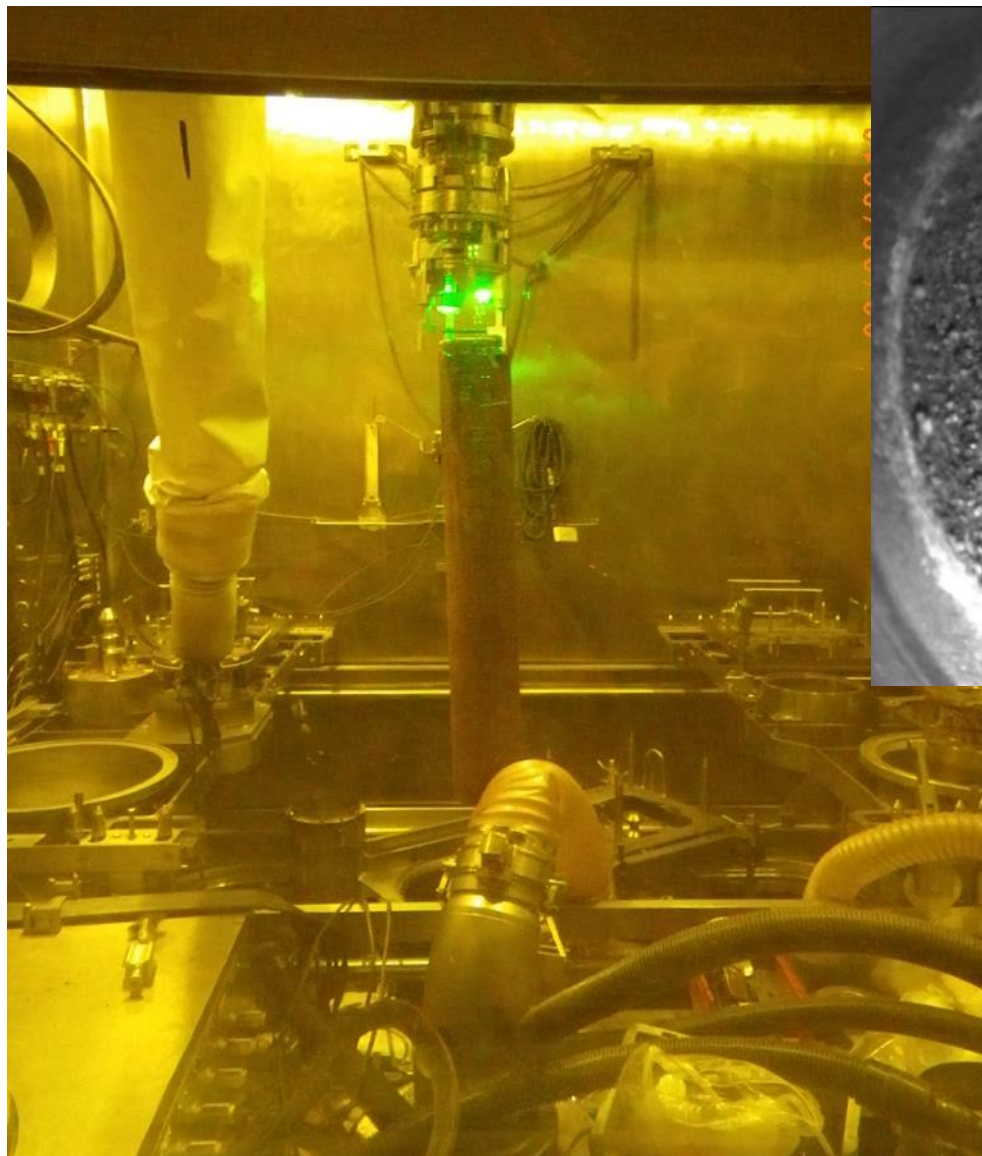
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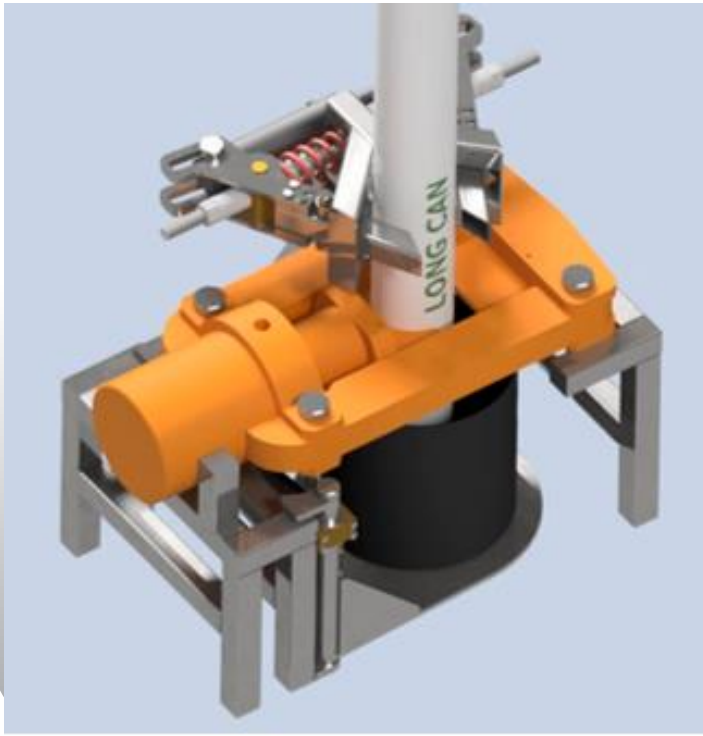
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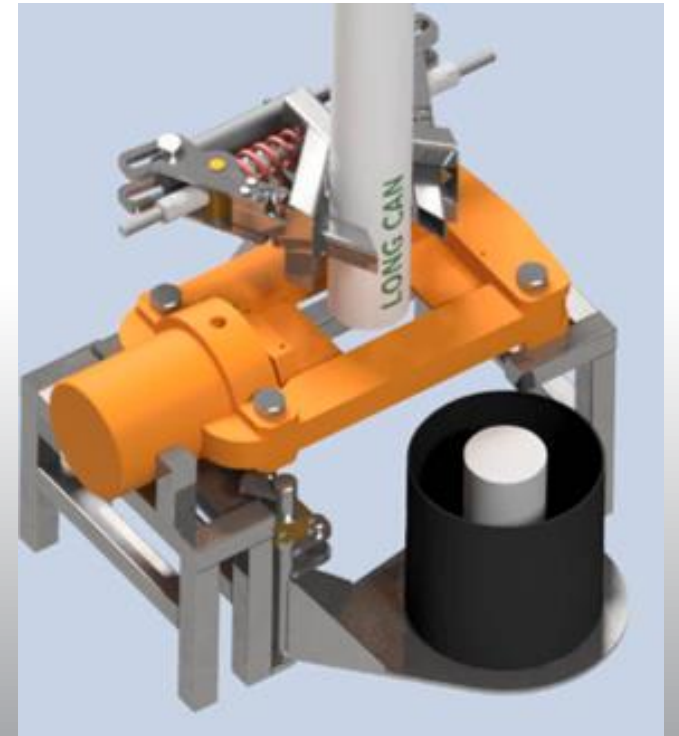


Long Can Size Reduction

- Hydraulic Cropper Concept design complete
- Proof of concept preparations in progress



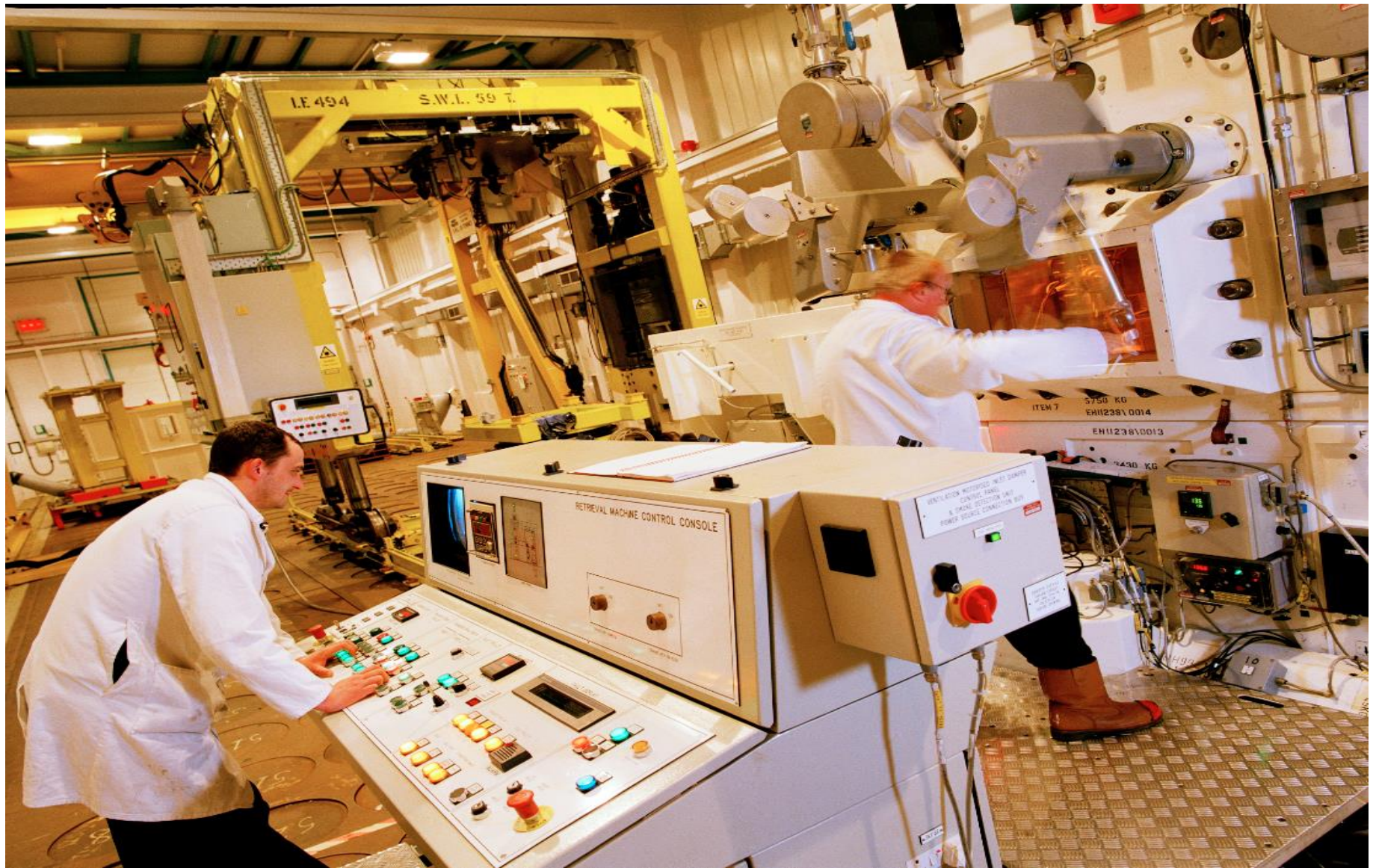
- ✓ 300kg weight
- ✓ 300 Te Force
- ✓ Single array
- ✓ Single build



Retrieval Machine 1 Retrievals

- 536 Tubes - 509 cleared /27 remaining
- 95% Complete
- RM1 return service complete
- Radon abatement installation in progress





Gamma Gate Retrievals

- 328 Tubes - 229 cleared /99 remaining
- 70% Complete



Head End Cell Operations

- 12105 cans processed to date
- Polymer Encapsulation Process to maximise utilisation during array moves





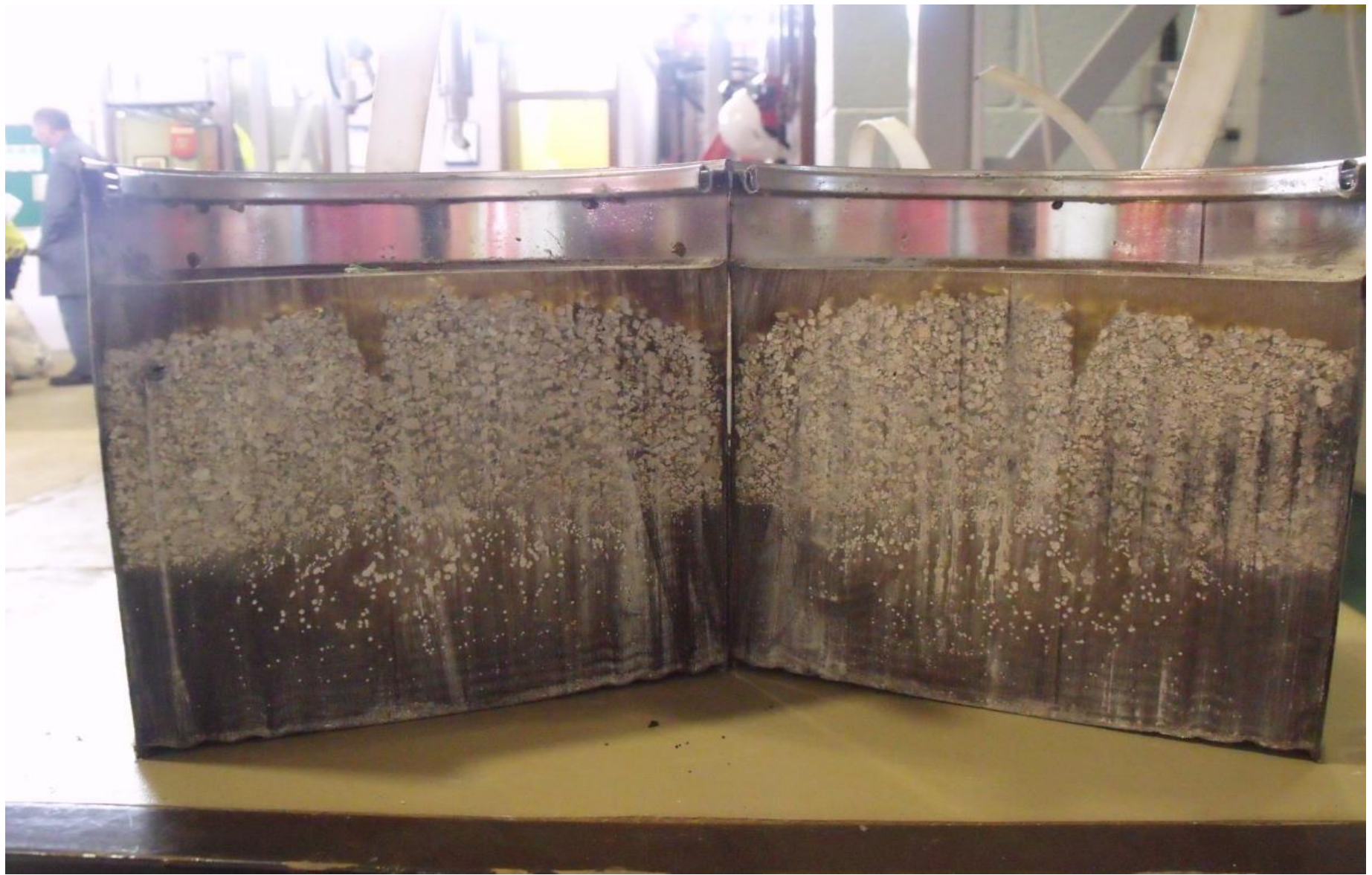
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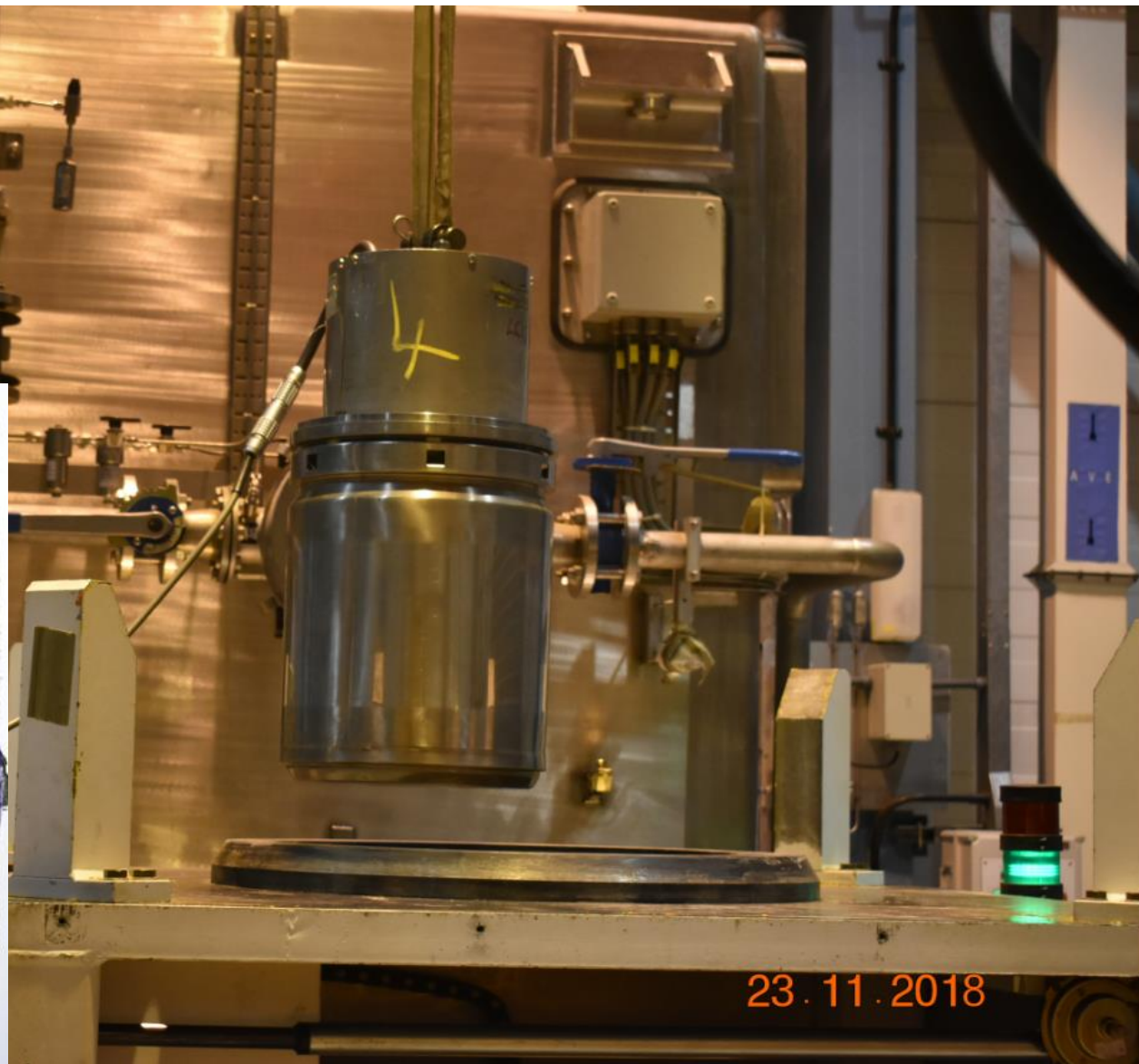
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5C52





5C45

22

Official



Waste Encapsulation Plant

- Active Commissioning Complete
- 117 of 1000 Drums encapsulated to date





5C30/C



Total RH-ILW Can Process

