

CASE STUDY

PROJECT TITLE: **IMPORT TROLLEYS**
CLIENT: **DSRL**



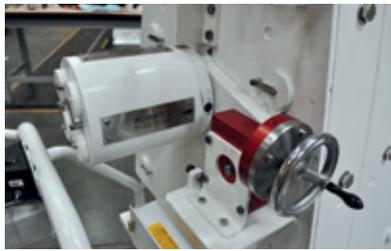
AIMS AND OBJECTIVES

Aquila was awarded the contract for the manufacture, procurement, assembly and testing of six import trolleys employed for safely transporting active material between facilities at Dounreay Site Restoration Limited (DSRL).

ABOUT THE CLIENT

Dounreay Site Restoration Limited (DSRL) is the site-licensed company responsible for the clean-up and demolition of Britain's former centre of test reactor research and development.

DSRL is a wholly owned subsidiary of Cavendish Dounreay Ltd, a consortium of Cavendish Nuclear, CH2M and AECOM, and is funded by the Nuclear Decommissioning Authority (NDA) to deliver the site closure programme.



PROJECT OVERVIEW

SCOPE AND PROJECT SOLUTION

Aquila was awarded the contract for the manufacture, procurement, assembly and testing of six import trolleys employed for safely transporting active material at Dounreay, from the storage facilities to the repackaging area.

As a key part of the decommissioning process at Dounreay, the trolleys would provide safe transport of sacrificial cans (containing active materials) within the Dounreay facility.

The scope also included design modifications for three of the trolleys to enable the handling and transport of specially extended sacrificial cans to provide a trolley fleet capable of handling all sacrificial can forms.

The six import shielded trolleys are identical in design and incorporate a commercially available proprietary motorised trolley, with modifications, which acts as the main platform for the combination of steel support frames and Jabroc shielding.

TROLLEY SPECIFICATION:

- SWL of 1000kg
- 360 rotation within its own footprint
- Climb up to 3° incline and speed restriction on decline
- Drive and brake disengagement to allow manual manoeuvring
- Handrail and control interface at one end
- Long life AGM batteries with charger
- Front mounted bumper sensor

SUMMARY

Aquila worked hand-in-hand with DSRL to manufacture and assemble the six trolleys, making design modifications where required. The work testing was carried out at Aquila's Twyford workshop, prior to delivery to DSRL.



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ACCREDITATIONS



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