



Transport & Delivery/Receipt Trolley

Market: Nuclear and Nuclear Medicines

Aims and objectives

Cyclife Aquila was awarded the contract to design and manufacture a simple, cost-effective transport and delivery trolley, employing proven technology and Commercial Off The Shelf (COTS) components, wherever possible.



Transport & Packaging

Cyclife EDF Group - Subsidiaries



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Project overview

We have extensive experience in the safe transport and delivery/receipt of radioactive samples used in the nuclear and nuclear medicines industries. Having been involved in many radioactive material transfers and delivery/receipt systems over the years in post irradiation examination (PIE) applications and the radiopharmaceuticals industries.

For this particular project, the samples being transport will have been used for post irradiation examination or preparation and will also include a wide range of radioisotopes.

Our Transport and Delivery Receipt Trolley (ATDRT) has been developed with the following operational parameters:

Specification:

- Source-weight of container (including source): 423kg
- Trolley Mass: 665kg
- Trolley size: L= 1227mm
W= 610mm
H= 1033mm



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Summary

The Cyclife Aquila Transport Delivery and Receipt Trolley [ATDRT] has been developed to shield the source within a cell integral to the trolley during transport. Once the ATDRT is positioned underneath the hot cell, a gamma gate is manually opened within the trolley and the source is raised into the hot cell employing a manual Bowden cable drive (the same as the brakes on a bicycle). The system provides full shielding throughout posting in/out of shielded cells.

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