

Process is King-Selecting the right Design for new HOTCELLS

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It is important to undertake any hot cell and containment project with a clear statement of intent. This statement of intent is sometimes called a Functional Requirement Specification or FRS.

It is the FRS that should be used as the basis for design and the process from which all other items are developed.

The paper will describe the engineering process employed by Aquila Nuclear Engineering in producing fit for purpose HOTCELLS designs using the Aquila Influence Diagram (AID)

Summary

The Aquila team of Engineers have designed, manufactured and installed over 100 bespoke hot cells within the past 15 years. We have learnt over these years to listen to our Clients needs in terms of process and functionality before embarking on hot cell proposals which may be ill founded and raise false expectations.

Process is King is our motto and it is from the processes inside the cells that all design criteria start to fall into place. We use the Aquila Influence Diagram (AID) to make sure we ask our clients the right questions and engineer the answers into the scheme design.

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