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NEWS RELEASE

INNOVATIVE SOLUTION TRANSPORTS JORDAN TO SUCCESS AT HUNTERSTON

Jordan Nuclear has been working with its partners Jordan Manufacturing, Kings Trailers of Market Harborough and Morson Projects of Irlam Manchester, to provide an innovative and economical solution to aid the transportation of radioactive waste forms.

The result is an order to supply a highly technical 'Cross Site Transporter' to Magnox North's Hunterston 'A' Decommissioning Site, that can move the waste from several on-site facilities to its ILW (intermediate level waste) Store for interim storage and management.

Initial recommendations had outlined the need for a heavy lift transporter that would be designed to safely carry a 'Shielded Overpack'. The overpack needed to be designed to accommodate a stainless steel box or drum that had the capacity to safely house radioactive waste forms.

The challenge was to ensure that the transporter could 'dock' into each facility with a degree of accuracy to within 20mm (equivalent to a 20 pence piece). Once the transporter has 'docked', the facility automatically seals and all further operations are conducted from a control facility.

It soon became evident that a single unit transporter would have huge difficulty in repeatedly manoeuvring into each facility, whilst maintaining the accuracy required during the docking procedure. In association with its partners, Jordan Nuclear came up with an economic solution to address the problems associated with the overall manoeuvrability.

The solution in reality was relatively simple and a 'Tug and Trailer' unit was offered as an alternative to the original design. This option offered more flexibility and would be designed to include all the features included in the original technical specification. In addition, it would include an automatic optical guidance system that would ensure the transporter would 'dock' repeatedly and exactly at the same point in each of the facilities it would be expected to visit on a daily basis. It would also be considerably more 'operator friendly' when it came to making the daily required manoeuvres.

By adopting the 'Truck & Trailer' design, Magnox North is confident they have selected an efficient solution to safely handle the movement of radioactive waste-forms across the Hunterston A site.

For further information visit: www.jordannuclear.co.uk