

Tradebe Inutec: Innovative Supercompaction Solutions



Supercompaction

Tradebe Inutec is a leading provider of specialist radioactive waste management services. We have successfully undertaken hundreds of projects to treat complex wastes on our secure site at Winfrith.

Tradebe Inutec operates a mobile supercompaction operation, processing waste for a range of clients; this service has been extended to include asbestos and beryllium contaminated wastes.

Due to the high costs of LLW disposal, many waste generating companies seek to reduce their costs through volume reduction of their wastes prior to disposal.

Our mobile supercompaction plant is designed to process standard 210 litre drums, but is flexible to operate on smaller drums that fit within that window. It operates with a maximum pressure of 2000 tonnes and has a cycle time of approx 4 minutes.

To date, over 120,000 drums have been processed. For UK waste, the compacted drums, or pucks, are monitored, measured, wrapped if required, and loaded into half height ISO transport containers (HISOs).

Asbestos Supercompaction

We are able to offer a supercompaction service for asbestos. Asbestos enclosures are set up around the mobile plant, and a comprehensive monitoring programme is carried out. For UK waste the compacted drums or pucks are monitored, measured, double-wrapped and loaded into half height ISO transport containers.

Providing Customers with Flexibility & Value Through:

- Dealing with LLW and Borderline ILW Waste Streams
- Taking Title to Wastes and Reducing Risk
- Delivering a Fast, Responsive Service for Removing & Treating Wastes
- Offering a Low-Risk & Cost Effective Alternative to Customers Self-Performing.



Contact Details

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Tradebe Inutec

Tradebe Inutec provides innovative solutions across the waste management cycle and has established strong long-term relationships with all of the leading nuclear operators including Nuclear Power Utilities, Defence and Government organisations.

Over 30 Years, Our Projects Have Included:

- **LLW & ILW Sampling, Analysis & Characterisation** – providing timely information to enable efficient waste stream treatment of materials such as Sands, Resins and Desiccants
- **Waste Sorting, Segregation & Buffer Storage** – to allow use of extensive network of additional treatment and disposal routes
- **Co-disposal of items within the ILW/LLW Boundary** – combining inventories with wastes from multiple Customers, enabling LLW final disposal
- **Detritiation of TSBs & other Tritiated Items** – incineration and washing technologies for a wide variety of complex tritiated wastes
- **Supercompaction, including Asbestos & Beryllium** – including management of secondary liquids. The only mobile UK Supercompaction facility
- **AETP Sludge Retrieval, Encapsulation & Disposal** - using innovative mixing, retrieval and cement direct pouring techniques
- **Size-reduction & Decontamination of Metallic Items** – projects including 50Te items for smelting and out of scope release
- **Mercury Decontamination** – advanced clean up of contaminated mercury for recycling
- **Provision of Transport Packages and Services** – for movement of LLW & ILW materials.

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