



**GREEN, CLEAN,
SUSTAINABLE**

Reduce, Reuse, Recycle

Your Solutions-Based Partner For All Waste Management and TMD Needs

Materials Processing & Waste Management

- **SEGREGATION, SORTING AND ANALYSIS OF DAW, METALS, WOOD, AND ALL SINGLE-USE GARMENTS**
- **LICENSED BULK SURVEY FOR RELEASE (BSFR) DISPOSAL AT REDUCED RATES**

Tool, Metal and Equipment Decontamination & Monitoring

- **SCAFFOLDING**
- **LEAD BLANKETS**
- **FRAC TANKS**
- **HEPA MAINTENANCE**
- **UNIQUE MONITORING & CUTTING NEEDS**
- **AND MORE**

Why UniTech? *Significant savings, regulatory compliance advantages and a streamlined process.*



Materials Processing & Waste Management

Radiological monitoring and decontamination expertise, combined with Bulk Survey for Release (BSFR) disposal at reduced rates.

UniTech provides a complete material processing and waste management system that addresses critical needs in the nuclear industry. Our system is designed to reduce waste, while maximizing reuse and recycling as much as possible.

UniTech's regional facilities accept tools, equipment and other materials from customers, then monitor, decontaminate and, as needed, ship contaminated materials to the Oak Ridge Service Center (ORSC) for final disposition. Customers have the assurance of a turnkey process, along with financial savings. While at a customer's facility for outage work, UniTech can easily pick up Dry Active Waste (DAW) for segregation and sorting. The ORSC can provide sorting and analysis of DAW, metals, wood, and single-use garments, as well as in-house decontamination, recycling, free release of eligible materials, and materials transportation.

Segregation & Sorting

- Dry Active Waste (DAW)
- Metals
- Wood
- Single-Use Garments

In-House Decontamination

- Tool & Metal
- Scaffolding
- Lead Blankets
- Frac Tanks
- Equipment
- Motors

HEPA Maintenance

Equipment Inventory Maintenance





Tool, Metal and Equipment Decontamination & Monitoring

REDUCE radwaste
REUSE tools and equipment
RECYCLE obsolete material

UniTech's decon and monitoring programs are designed to reduce your nuclear facility's carbon footprint and help attain top-quartile regulatory ratings. Our customized tool and equipment monitoring, decontamination and management services are the difference between accumulating contaminated tools and equipment, or having your site free of these problems.

- Customers turn to UniTech for unique monitoring and cutting needs.
- We provide transportation, storage, the industry's most advanced monitoring capabilities, decontamination, management for tools and equipment, materials processing, and waste management.
- Our custom monitoring solutions ensure customers get consistent, reliable and repeatable monitoring results. UniTech expertly monitors scaffolding, pipes, tools, FRAC tanks, fork and scissor lifts, ladders, lead blankets, HEPA maintenance, and much more, including unique needs.
- UniTech provides cost-effective non-outage tool and metal decontamination services via the Oak Ridge Service Center and its BSFR processing license.

You choose the process that meets your facility's needs.

Tool & Equipment Leasing

Tool & Equipment Management

Long-Term Storage of Tools, Equipment and Materials

UniTech can remove trailers and contents from your site, monitor all materials, decontaminate as needed, and properly dispose of used equipment.

If desired, UniTech can inventory, store and return items to customers on a just-in-time basis, with user-friendly database management for those who may want to reuse various items. In this case, UniTech will photograph, log and maintain a database of the tools and equipment we store for a customer. When the next outage demands any of these tools or equipment, the customer simply goes to the database and clicks the items it wants returned to its facility.





Solving The Most Unique Waste Management & TMD Challenges

UniTech's off-site services can augment your site's laundry, respirator and equipment decontamination programs. In addition, our capabilities make us the ideal partner for tackling your largest projects.

Success Stories

UniTech decontaminated and demobilized 2.5 million lbs. of mid-cycle refurbishment tooling from Hydro Quebec's Candu 6 reactor. To complete this project, UniTech revolutionized the industry practice of monitoring and decontamination, optimizing selection of radiation detectors, implementing new and customized decontamination processes and enhancing in-house material handling capabilities.

Utilizing the Mississippi, Ohio and Tennessee navigable river systems, D.C. Cook turbine components were shipped by barge, all the way from Michigan to Oak Ridge, Tennessee. UniTech's Oak Ridge Service Center (ORSC) then decontaminated and radiologically surveyed 1.6 million lbs. of turbine components for unrestricted release. Ultimately, ORSC segmented and recycled these unique metal pieces for final disposition.

Following D.C. Cook Nuclear Generating Station's fall 2016 outage, UniTech's ORSC sorted and processed 145,020 lbs. of total material. 85 percent of D.C. Cook's waste qualified for BSFR disposal. By processing waste for BSFR disposal rather than Low-Level Radioactive Waste (LLRW) disposal, UniTech was able to achieve total waste cost savings close to 40 percent for D.C. Cook. For all DAW-sorted materials in the D.C. Cook project, UniTech achieved a composite price 40 percent lower than typical radwaste disposal rates.



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