

# Green, Clean, Sustainable

## Meet Key Environmental Goals and Save Money



**GREEN, CLEAN,  
SUSTAINABLE**

### ***What's important to your nuclear facility?***

Increasingly, environmental goals, including reducing carbon emissions and footprint, are important to customers, regulators, shareholders, and influentials – and therefore, are important to you.

UniTech goes the extra mile to assure that our customers meet their environmental objectives – and that they meet their other “green” goal as well as saving money.

*While society continues to debate climate change, our conviction remains clear - climate change is real and our industrial world is a significant contributing factor. Exelon focuses on the reduction of carbon emissions because we hold an influential role as an electricity generator and distributor in seeing this industry through to a sustainable future. – **Exelon Corp.***

*Without nuclear plants, about 133 million of the nation's 136 million passenger cars would have to be eliminated to keep U.S. carbon dioxide emissions from increasing. More than 400 nuclear power plants worldwide produce 14 percent of the world's electricity, while reducing carbon dioxide emissions by more than 2.5 billion metric tons per year. – **First Energy***

*At FPL, we're committed to providing energy solutions to protect our environment and curb climate change. Nuclear power is one of those solutions. Together, FPL's St. Lucie and Turkey Point nuclear power plants provide about 23% of our total output. That's clean, safe and reliable electricity for our more than 4.6 million customers. The four nuclear units at these sites help FPL prevent more than 12 million tons of carbon dioxide (CO<sup>2</sup>) emissions per year, the equivalent of taking 2 million cars off the road. – **NextEra Energy***

*We monitor and assess the environmental impact of our operations to improve our performance. We continually seek opportunities to prevent pollution and conserve natural resources in balance with maintaining reliability and low-cost service to our customers. – **Southern Company***

# Launderable Protective Clothing – The Right Choice

## ProTech Plus® with CoolTech



**UniTech ProTech Plus® with CoolTech** beats OREX Ultra over OREX Scrubs **HANDS-DOWN** in balancing protection, comfort, cost, and environmental benefits.

### **Best for the environment:**

- Dramatically reduces carbon footprint
- Easy to launder, decontaminate and reuse

### **Best protection:**

- Minimum penetration
- Durability during work (no ripouts)
- Performance in varied environments (including wet/dry)

### **Best comfort:**

- Low heat stress
- Minimal ergonomic encumbrance
- Enhanced garment design and convenience features

### **Lowest cost:**

- Acquisition (purchase price, delivery and storage cost)
- Minimal use failures
- Disposal (sorting, shipping, radwaste)
- Quicker dressouts
- Much lower life cycle cost

### **Comparative LCA of Protective Garments**



[www.UniTechUS.com/PE](http://www.UniTechUS.com/PE)



# We Make It Easy To Be Green

## Garment Leasing:

Your primary business is not managing a protective garment program – ours is. With a UniTech leasing program, we manage garment inventory, storage, maintenance, and LLW disposal. What's more, you will reduce your costs for peak-need reserves, storage, inventory, maintenance, and capital financing.



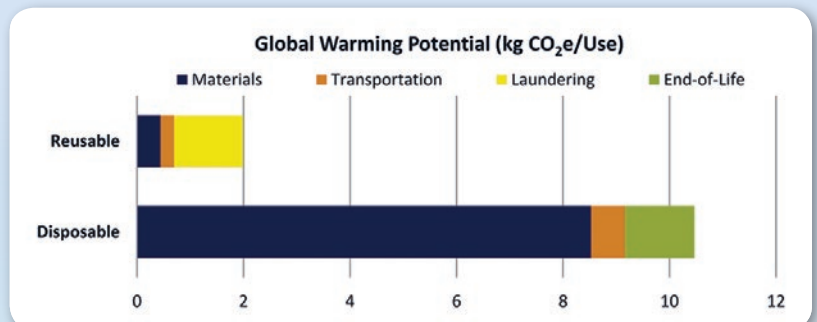
## Total Onsite Clothing Management:

UniTech labor distributes protective clothing throughout your site as part of Total Onsite Clothing Management, so contract staff that used to do this task can now perform other critical outage work. We work on outages at plants around the world, and can provide immediate insight into reducing PCEs.



## Comparative LCA of Protective Garments

UniTech Services Group commissioned PE International, a global leader in sustainability performance solutions, to conduct an independent comparison of the environmental performance of UniTech's reusable protective clothing set with a disposable garment set. The study compared the cradle-to-grave impacts of two garment sets used for low level radioactive particulate contamination protection and contamination control. It measured specific areas of impact including global warming potential, acidification smog formation, ozone depletion, and other potential areas of impact.



*UniTech's reusable garments had remarkably less impact in all categories measured, with the most significant (five-fold or more) differences being in global warming potential, smog and primary energy demand.*

*Sequencing the [carbon reduction] options from least cost to highest cost helps provide a sense of the relative priority of the abatement measures and can be used to identify the least-cost approach to achieving any targeted level of emissions reduction. – Tennessee Valley Authority*

*Nuclear energy is also our country's largest source of carbon-free electricity, producing no greenhouse gases. To meet our customers' future energy needs, we are working now to ensure that clean, new nuclear generation is available. – Duke Energy*

# UniTech Tool and Equipment Monitoring and Decontamination

## Reduce carbon footprint, help attain top-quartile regulatory ratings

Customers report new urgency to properly and promptly clear all legacy trailers and their contents off the premises.

UniTech's response to this problem can make the difference between top-quartile or less desirable ratings for plants. Our custom monitoring solutions assure consistent, reliable and repeatable monitoring results. UniTech regularly monitors trailer contents, including scaffolding, pipes, tools, FRAC tanks, fork and scissor lifts, ladders, and much more, using processes that can't be duplicated with handheld monitoring equipment. We provide transportation, storage and comprehensive management for tools and equipment.

### You choose the process that meets your facility's needs:

- UniTech can remove trailers and contents, monitor everything, 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.
- We'll continue to customize our tool and equipment monitoring, decontamination and management services to make sure that our customers have a solution, rather than a problem, on their hands.

**To learn more, contact Gregg Johnstone (413-543-6911 x146) or your account representative today.**



### Tool and Equipment Monitoring and Decontamination



[www.UniTechUS.com/TEMd](http://www.UniTechUS.com/TEMd)

### Locations

Springfield, Massachusetts  
Royersford, Pennsylvania  
Oak Ridge, Tennessee  
Barnwell, South Carolina  
Macon, Georgia  
Morris, Illinois  
Santa Fe, New Mexico  
Ontario, California  
Richland, Washington  
Laar, Germany  
Coevorden, Netherlands  
Oakdale, UK  
La Bouilladisse, France



A Subsidiary of UniFirst Corporation



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