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SUSTAINABLE**

# UniTRACK

## NUCLEAR SERVICES NEWS

UniTech Services Group, Inc. • Volume 15 Issue 1 • Spring 2018

## UniTech Decontaminates 1.6 Million Lbs. of DC Cook Turbine Components

When the DC Cook Nuclear Plant replaced its turbines and corresponding outer casings, which were close to 100 yards in length, it created a unique but crucial decontamination project need for the obsolete turbines. These large components were too large and heavy for long-distance trucking, but required shipment to UniTech's Oak Ridge Service Center (ORSC) for final disposition.

To serve DC Cook's unique decontamination need, UniTech implemented a transportation process that will conquer challenges for other nuclear facilities going forward. Utilizing the Mississippi, Ohio and Tennessee navigable river systems, turbine components were floated by barge in late



September — all the way from Michigan to Oak Ridge, Tennessee. After four weeks of floating, the barge was received by UniTech at its barge access area just a half mile from its facility.

UniTech then decontaminated 1.6 million lbs. of turbine components for unrestricted release. Ultimately, UniTech segmented and recycled these unique metal pieces for final disposition. The project was completed in early December.

Before the DC Cook project, the East Tennessee Technology Park barge access area had been out of service for decades. To reopen the access area and make this project possible, UniTech partnered with the U.S. Department of Energy's Oak Ridge Office of Environmental Management and the Community Reuse Organization of East Tennessee. The dock is now fully operational, and UniTech will utilize it to fulfill other large-component shipping needs from nuclear facilities across the U.S.

"Barge access opens a world of possibilities in our handling of large or hard-to-

*continued, page 3*



## New Product: UniFlex Cut-Resistant HPPE Gloves

UniTech's new UniFlex CR (Chemical Resistant) Nitrile-Dipped High-Performance Polyethylene (HPPE) Gloves will give you the right protection for everyday work with heavy, sharp materials and equipment in your nuclear facility — without sacrificing comfort, flexibility or dexterity.

Woven with 13-gauge HPPE material, UniFlex gloves provide superior cut and abrasion resistance for long-term use.



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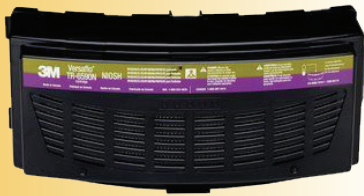


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## BREAKING INDUSTRY NEWS

### New Multi-Gas Cartridge for 3M TR-600 Series PAPRs

In February, 3M launched the TR-6590N, a multi-gas cartridge for its popular TR-600 series Powered Air Purifying Respirators (PAPRs). UniTech customers can now order this cartridge, appropriate for use in a broad range of hazardous settings.



The TR-6590N multi-gas cartridge is a suitable high-efficiency filter for certain particulates, organic vapors (including mercury vapors), acid gases, formaldehyde, ammonia, methylamine, hydrogen sulfide, and/or hydrogen fluoride.

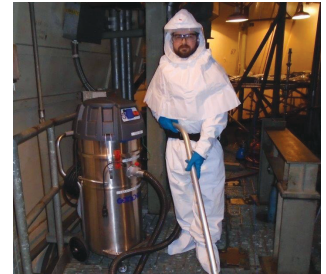


To learn more about the TR-6590N multi-gas cartridge and its versatility, contact your UniTech account representative or call Director of Sales and Marketing Gregg Johnstone at 413-543-6911 x146. ■■

## UniTech Introduces New Waterproof Supplied-Air Suit

Maximizing its expertise serving the European nuclear industry and its strategic partnership with 3M, UniTech has developed the Neptune Suit, a positive pressure personnel suit (PPPS) that cuts customers costs in half. Neptune Suit is a lightweight, waterproof suit made of comfortable polyurethane coated nylon fabric ideal for highly contaminated and damp areas. A complete Neptune Suit kit includes the following:

Neptune Suit	Z-COV-10A-WH
3M Waterproof Hood	RS-3MS-807-S
3M Head Suspension	RS-3MS-950
3M Versaflo Waterproof Cover	COVER-05A-YW



The Neptune Suit features significant advantages over traditional PPS models. It has no expiration date, and can be laundered multiple times. Customers have flexibility to use the Neptune Suit with or without supplied air. It also features a vortex cooler, which lowers incoming air temperature for ultimate worker comfort. Need reduced lead time for resupply of your PPPS? Need to standardize usage across your entire fleet? You need UniTech's Neptune Suit.

Neptune Suits were successfully introduced and implemented at Exelon Lasalle's refueling and maintenance outage in February. To learn more about incorporating Neptune Suit into your protective clothing program, contact your UniTech account representative or call Director of Sales and Marketing Gregg Johnstone at 413-543-6911 x146. ■■

## New Product Catalog and Literature

A lot can change in eight years! Since we began distributing our most recent protective clothing and products catalog in 2010, we have significantly improved and expanded our offerings.

UniTech is distributing an updated catalog reflective of its newest apparel, safety equipment and services, which now include:

- Enhanced garments and apparel program options
- Materials processing & waste management
- Products specific to Canadian facilities
- Maxi-Movers PC storage, shipping and delivery
- 3M Versaflo™ respirator systems
- 3M™ DBI-SALA® Fall Protection for Tools
- And more

Does your facility or management team need additional copies of UniTech's updated catalog? Contact your account representative or call Director of Sales and Marketing Gregg Johnstone at 413-543-6911 x146.

Additional new literature is available for UniTech apparel and services, including Heat Stress Management and TMD/Waste Management, at [www.UniTechUS.com/literature](http://www.UniTechUS.com/literature). ■■



## GripTech Gloves

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The glove's nitrile-dipped palm and fingers incorporates a "sand-washed" textured finish to assure resistance to oil and solvents while maintaining excellent gripping strength.

Need to comfortably wear cut-resistant gloves for entire shifts? Nitrile-dipped HPPE gloves with hand-specific design are the choice for you. ■■

EN388 Testing	Performance Level
Abrasion Resistance	4
Blade Cut Resistance	3
Tear Resistance	4
Puncture Resistance	2
TDM-100 Cut Resistance	C - A3



## 13th Annual EU Workshop Unites Industry Professionals from 10 Countries

64 participants representing 10 countries attended UniTech Europe's 13th Annual International Workshop, held October 11-12 in Braunschweig, Germany. The workshop focused on decontamination and procedural improvements through innovation in protective equipment.

As part of the workshop, attendees visited two radwaste sites: the Mine of Asse in Remlingen, and Mine of Konrad in Salzgitter, both former salt mines.

Thank you to everyone who attended the UniTech EU Workshop or the UniTech R3 Nuclear Workshop in 2017! We design our learning programs with our customers' most pressing challenges in mind. ■■



## DC Cook Turbine Components

(continued from page 1)

ship pieces of tooling and equipment," said UniTech Project Manager Jeff Wilson. "Most nuclear plants have riverway access for barge shipment, and we have industry-leading expertise at UniTech to assure successful segmentation and final disposition of your most challenging decontaminated components. The anytime availability of our barge access area and its proximity to our facility make for an exciting capability that will benefit UniTech customers."

Between the Candu tool decontamination project and the DC Cook project, UniTech completed the final stages of two unique decontamination projects in December, totaling 4.1 million lbs. of materials.

Have a question about UniTech's expertise and capacity? Contact Jeff Wilson at (815) 341-1501 or [jwilson@UnitechUS.com](mailto:jwilson@UnitechUS.com). ■■

## QA Update Transitioning to ISO 9001:2015

Unitech is in the process of transitioning to ISO 9001:2015. The revised standard places more emphasis on leadership and management commitment. ISO 9001:2015 requires greater involvement by top managers and business leaders in controlling the quality management system.

The new ISO standard specifies requirements for UniTech to consistently provide products and services that meet customer and applicable statutory and regulatory requirements. Enhanced customer satisfaction through effective application of the quality system is also another standard requirement.

Unitech continues to utilize the ISO 9001 quality standard to ensure customers needs are understood, agreed upon and successfully fulfilled. ■■

## Words of Wisdom

**“Nuclear energy remains the one clean power source that can be built at the scale and speed needed to decarbonize a nation's energy grid.”**

— Howard Shaffer,  
former nuclear engineer  
at Vermont Yankee  
nuclear power plant

### Upcoming Conferences

- May 20-22: RP Innovation Day at EPRI/Atlanta, GA
- June 18-21: EPRI LLW/Savannah, GA
- June 19-21: PWR ALARA/Portsmouth, NH
- July 15-20: USA Executive Summit/Lake Washington, Seattle, WA
- July 29-Aug 2: NEI/HP Meeting/Naples, FL
- Aug 5-8: Utility Working Conference/Omni Amelia Island, FL
- Aug 27: Region III RPM Meeting/Lisle, IL

### Recent Contract Highlights

- Electric Boat: ProTech Bag Suits
- Exelon, Peach Bottom: GripTech Gloves, CoolTech Scrubs, Consumables
- Westinghouse Electric, Nuclear Fuel: Respirator & Laundry Bags, Lab Coats, Coveralls, Towels
- Firewater: ProTech Coveralls
- First Energy, Davis Besse: GripTech Gloves
- Indiana Michigan Power, DC Cook: Outage BSFR Shipments
- Techno Science of Japan: RF Coveralls, Hoods, Gloves & Socks
- Savannah River Remediation: Contract Renewal
- GE Hitachi: CoolTech Scrubs, MaxAir Hoods
- NB Power: SSD Containers, Mitchell Tritium Cartridges
- GME Supply: RF Coveralls, Hoods, Gloves & Socks
- Exelon, All Sites: New Contract for Laundry, Protective Clothing, Consumables, 3M Respirators
- Duke Energy, All Sites: HEPA/Vacuum Recertifications
- Duke Energy, McGuire: Sling & Harness Laundry Services
- PSE&G, Hope Creek: Waste Processing Services
- Bruce Power: New Laundry Contract
- Aecon: Microfiber Towels & Swab Head Covers
- Candu Energy: Respirators & Filters, Lead Wool Blankets
- South Texas Project: Hybrid Clothing Program

## UniTech Staff Updates: Strategic New Hires



**Terri Danahy**

UniTech Canada added to its team in October, hiring Terri Danahy for the role of Technical Accounts/Project Manager. Terri will contribute to UniTech's Canadian division through project oversight, support to nuclear facilities and support to UniTech's on-site teams.

Terri brings a unique blend of nuclear industry and apparel management

experience that will serve her well in her new role. She most recently held the title of communications manager, handling corporate relations, new product development and new business development communications for companies in the nuclear industry, among others. In this role, Terri collaborated with UniTech Canada on various projects.

Earlier in her career, Terri spent over 20 years directing apparel purchasing and management in the fashion industry. Terri is excited to work on new business and new product development for UniTech Canada. She looks forward to bringing a customer-focused and cost-efficient approach to the team.

"The whole team has been extremely welcoming," said Terri. "It's clear that the team cares about its customers, and I'm really happy to be a part of it."



**Jennifer Drane**

Jennifer Drane has joined the UniTech corporate office in the role of Accounts Receivable Assistant. She works closely with plant managers, sales representatives and UniTech customers to ensure seamless, accurate invoicing and bill processing. Jennifer has a Bachelor's degree in education and brings many years of customer service management experience in other industries to the accounts receivable team.

"There's always great energy in our office. It's an enjoyable environment to come to every day, and I'm excited to be part of the team," said Jennifer. ■■

## UniTech In the Community

UniTech served as a premier sponsor for the Brookfield, MA Apple Country Fair 5K on October 7. The event was organized by the Brookfield Community Club, which raises funds to support grants awarded to organizations bettering the local area. In only its second year, the race is a growing community event appealing to all ages.

We enjoy serving the communities we work and live in, and we'd love to collaborate with our customers on upcoming projects! ■■



**Thanks for reading  
UniTRACK!**

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Enter code: **HOLDER**



Certificate Number 968  
ISO 9001, ISO 14001



UniTech Services Group, Inc. is a subsidiary of UniFirst Corporation.



## U.S. Locations

### Corporate Office

**UniTech Services Group, Inc.**  
138 Longmeadow Street  
Longmeadow, MA 01106  
Toll free: 800-344-3824  
Tel: 413-543-6911  
Fax: 413-543-6989  
Email: [info@UniTechUS.com](mailto:info@UniTechUS.com)  
[www.UniTechUS.com](http://www.UniTechUS.com)

### Plants

Springfield, MA  
Royersford, PA  
Oak Ridge, TN  
Barnwell, SC  
Morris, IL  
Santa Fe, NM  
Ontario, CA  
Richland, WA

UT-18-001

## EU Locations

**Euro Nuclear Services B.V.**  
De Mars 11, NL-7742 PT Coevorden, NL  
Tel: +31-524-599-699  
Fax: +31-524-599-688  
Email: [ens@UniTechEU.com](mailto:ens@UniTechEU.com)  
[www.UniTechEU.com](http://www.UniTechEU.com)

### UniTech Services Group, Ltd.

Unit 5 Oakwood Close  
Pen-Y-Fan Industrial Estate  
Crumlin, Newport NP11 3HY  
United Kingdom  
Tel: +44-1495-249-688  
Fax: +44-1495-240-982  
Email: [UniTechLtd@UniTechEU.com](mailto:UniTechLtd@UniTechEU.com)  
[www.UniTechEU.com](http://www.UniTechEU.com)

**UniTech Services GmbH**  
Brookdiek 2L  
D-49824 Laar, Germany  
Tel: +49-5947-910-2910  
Fax: +49-5947-910-29188  
Email: [UniTechGmbH@UniTechEU.com](mailto:UniTechGmbH@UniTechEU.com)  
[www.UniTechEU.com](http://www.UniTechEU.com)

**UniTech Services S.A.S.**  
ZA la Malvesine  
Parc Avenue  
13720 La Bouilladisse, France  
Tel: +33-965-012247  
Fax: +33-442-048387  
Email: [jgrisot@UniTechEU.com](mailto:jgrisot@UniTechEU.com)  
[www.UniTechEU.com](http://www.UniTechEU.com)