Candu Tool Decontamination Project Nearing December 2017 Completion

2.5 Million Lbs. of Tooling Decontaminated and Demobilized Over Three-Year Effort

When Hydro Quebec’s mid-cycle refurbishment project was cancelled in 2013, Candu Energy was left with an obsolete tool set designed specifically for refurbishing Candu 6 nuclear reactors.

This extensive mid-cycle refurbishment tooling set, weighing in at 2.5 million lbs. and requiring 715 containers, represented a liability that needed to be managed through final disposition.

The Candu 6 tool demobilization project, which began in 2015, will be completed by the end of this year. Since the project’s inception, Candu Energy has received copies of the unrestricted release surveys and certificates stating what materials have been managed through final disposition. This will continue until the project is completed.

UniTech processed and managed Candu’s tools at its Morris, Illinois radioactive material processing facility, which provides low, stable backgrounds; ample space; a focused labor group; and high-tech instrumentation for technically superior and cost-effective services. Throughout the Candu 6 demobilization project, much disassembly of equipment has been required before monitoring and decontamination could take place. Disassembling in UniTech’s off-site, spacious facilities was ideal for completing this massive task.

UniTech’s streamlined off-site sorting, monitoring and decontamination system results in unrestricted release of materials for reuse or recycling which ultimately reduces the quantities of radioactive waste generated. This integrated system is geared not only towards cutting costs for customers, but also towards reducing, reusing and recycling as much material as possible. These seamless processes make it possible to handle any monitoring and decontamination job, no matter how large or small.

Because of the unique challenges it posed, the project prompted UniTech to develop process improvements and customize solutions to assure Candu Energy the lowest risk and most cost-effective approach possible. The extensive improvements UniTech engineered will have a lasting, industry-wide, impact on tool and metal decontamination services.

Process improvements that have been applied during the Candu 6 tool demobilization project include optimized selection of radiation detectors, new and customized decontamination processes and enhanced material handling capabilities.

UniTech’s problem-solving and solution-based approach leads to green, clean, sustainable results. To make project completion possible, UniTech has revolutionized the industry practice of monitoring and decontamination, not only for the best results, but for the most savings, too.

In addition, UniTech’s newly-obtained BSFR license has opened new options. No matter what material handling circumstances apply to a project, UniTech can provide start-to-finish management, beginning with transportation and progressing through off-site sorting, monitoring and decontamination. In Candu 6’s case, UniTech was able to undertake this substantial project, assuming all responsibility for tool and equipment demobilization.

Have a “problem project” that you have yet to find a solution to?

30+ % Savings and Reduced Waste with 14-Inch GripTech Gloves

Since UniTech introduced its 14-inch high-visibility Nitrile GripTech glove, customers have sworn by the product’s maximum protection and quicker dressout process. UniTech has gathered significant performance data over two years. The data supports GripTech gloves as a much more affordable option than traditional rubber gloves.

After transitioning from rubber gloves to 14-inch GripTech gloves, customers cut glove cost-per-use by roughly 30+ %.
The Go-To Portable LED Worklight Solution

New Pelican™ 9460 Remote Area Lighting System (RALS)

When tackling facility projects – both expected and unexpected – several factors must be taken into consideration. Lighting, whether fixed or mobile, should be at the top of the list.

Pelican 9460 Remote Area Lighting System (RALS) is the ideal LED flood lighting option, improving worker efficiency while increasing worker safety. The lighting system can be organized in an array with multiple units powered by one charger. This connectivity allows for lighting of large areas, making it ideal for deployment during power outages and emergencies.

The RALS is quiet, requires no fuel or diesel and eliminates loss of primary containment (LOPC). Pelican 9460 also offers the following additional benefits:

- Telescoping dual LED light heads
- Housed in a portable Pelican Protector Case™
- Up to 15 hours of burn time
- Rechargeable

Pelican 9460 RALS garnered significant customer interest at UniTech’s R3 Nuclear Workshop in June! Many customers look forward to utilizing this mobile lighting solution to complete maintenance and outage-related tasks.

To learn more about the Pelican 9460 Remote Area Lighting System and its applications, contact your account representative or call Director of Sales and Marketing Gregg Johnstone at 413-543-6911 x146.

Candu Tool Decontamination

(continued from page 1)

We enjoy partnering with our customers to overcome the most difficult scenarios with innovative approaches.

To inquire about unique projects, contact your account representative or call Director of Canadian Operations Kent Anderson at 413-382-7366.

Celebrating Founder’s Day

On July 14, UniTech team members joined 13,000 total UniFirst Corporation employees in celebrating Founder’s Day.

Founder’s Day celebrated the lives and accomplishments of Aldo Croatti, company founder, and Ron Croatti, the second leader of the company. In honor of Ron Croatti, who passed away in May 2017, each location released a symbolic white, biodegradable balloon.

In the photo, UniTech team members from location 16 in Longmeadow, MA prepare to release a white balloon in Ron Croatti’s honor.

UniTech toAdminister NANTeL Training and Assessment, Saving Time and Assuring Compliance

Nuclear facilities turn to UniTech for important outage-related needs, including onsite labor for clothing management, laundry processing and just-in-time inventory. Customers with new supplemental supplier contracts now have additional assurance that these valuable outage services will cut costs and improve efficiency in compliance with industry-wide training standards.

New supplemental supplier contracts include the National Academy for Nuclear Training and e-Learning (NANTeL) program and Electric Power Research Institute (EPRI) standardized evaluation to support the nuclear industry’s expectation that supplemental workers arrive at the job site fully trained and authorized to work. UniTech is working with its customers on training of its outage personnel, assuring quick, easy adoption of on-site outage work.

Specifically, UniTech will verify that its personnel have completed all required NANTeL training and EPRI testing, and will provide its customers with access to all training program content and documentation.

The NANTeL initiative will optimize supplemental personnel in-processing time, reducing the utility resources needed to support processing while also controlling supplemental workforce mobilization costs. By reducing in-processing time of outage personnel, together we will significantly reduce the likelihood of outage delays and cost overruns.

This streamlined and standardized initiative will help fulfill the Nuclear Promise industry-wide by decreasing the typical number of days needed to badge supplemental workers. It will also decrease customers’ costs associated with worker processing. Traditional site-specific training, which prolonged preparation of supplemental workers, will no longer be needed.

Our customers must minimize Personnel Contamination Events while keeping outage costs within budget. New NANTeL training protocol will promote safety through standardized training while alleviating your facility’s outage costs. You want to fulfill the nuclear promise, and we want to help. The new NANTeL protocol will be a winning formula for all nuclear facilities.

<table>
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<tr>
<th>Light Source</th>
<th>High Flux LEDs</th>
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<tbody>
<tr>
<td>Lamp Heads</td>
<td>2</td>
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<tr>
<td>No. of LEDs</td>
<td>6 (per head)</td>
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<td>Beam Spread</td>
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<td>Batteries</td>
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<tr>
<td>Calculated Lumen Value</td>
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<tr>
<td>Battery Run Time</td>
<td>40 hrs. (low) 7 hrs. (high)</td>
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<tr>
<td>Dimensions</td>
<td>13.81&quot; x 22.0&quot; x 9.0&quot; (35.1 x 55.9 x 22.9 cm)</td>
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<tr>
<td>Mast Ext. Height</td>
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<tr>
<td>Weight</td>
<td>55.0 lbs. (24.95 kg)</td>
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Upcoming Conferences
- Oct 3-5: ETEBA/Knoxville, TN
- Nov 7: ASSE/Southbridge, MA
- Nov 27-29: Perma Fix/Nashville, TN
- Jan 8-10: EPRI (ISOE) ALARA/Ft. Lauderdale, FL
- Jan 11: NRC Region 3&4 RPM Meeting/Ft. Lauderdale, FL
- Mar 18-22: Waste Management/Phoenix, AZ
- 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

Recent Contract Highlights
- Southern Nuclear, Vogtle: HEPA Vacuum Services, 3M PAPRs
- Nuclear Fuel Services: UniTrek Rubber Shoes, Coveralls
- First Energy, Beaver Valley: GripTech Gloves
- Xcel Energy, Monticello: CoolTech Scrubs
- Raytheon Company: TOW Missile Cover Bags
- Ontario Power Generation: Laundry Boxes, Laundry Bags, Insulation Bags, FR Size Patches
- NB Power: Mitchell Tritium Cartridges, FR Over Suits & Shoe Covers
- Dominion, North Anna: MaxAir Items
- Princeton Plasma: SSD Containers, Covers & Bags
- Lawrence Livermore: New Service Contract
- Bechtel Marine Propulsion: ProTech Bag Suits
- USA Promo Sales: Embroidered Promotional Items
- Honda R&D Americas: RF Coveralls, Hoods, Gloves & Socks

GripTech Gloves (continued from page 1)

Two main factors contribute to this significant cost savings:
- GripTech gloves are more affordable to process than rubber gloves
- Less than 0.2 percent of GripTech gloves are damaged or radiation rejected, thus virtually eliminating the need for premature glove replacement

Beyond immediate cost savings, GripTech gloves are the wise environmental choice. Customers who choose rubber gloves contribute unnecessary thousands of lbs. in radwaste to landfills each year. By nearly eliminating instances of damage and radiation rejection entirely, GripTech gloves prevent the waste and expense associated with rubber glove disposal.

Nuclear industry leaders are tasked with cutting costs by 30 percent or more in order to deliver the Nuclear Promise. Even the right choice in gloves can make a crucial difference. If you want to limit PCEs, avoid unnecessary costs and reduce radwaste – 14-inch GripTech gloves offer industry-best value without sacrificing protection, comfort or ease of use.

To learn more about implementing 14-inch GripTech gloves, contact your account representative or call Director of Sales and Marketing Gregg Johnstone at 413-543-6911 x146.

R³ Indianapolis Focuses on Delivering the Nuclear Promise

UniTech's 2017 R³ Workshop, held June 28-30 in Indianapolis, was a powerful learning experience focused on delivering the Nuclear Promise. Over 100 attendees shared actionable insight with each other on how to cut costs by 30 percent, maximize regulatory compliance advantages and streamline processes.

We enjoyed hosting this collaborative benchmarking and networking opportunity in Indianapolis! Thank you to our customers and partners for the many contributions you made.

Peer-led presentations included:
- Radwaste Savings through Sorting & BSFR Disposal
- Scaffold & Lead Wool Blanket Decontamination and Disposition
- 200,000+ Curies Removed From LaSalle Core
- Protective Clothing Program & On-Site Labor
- Tool & Equipment Decontamination/Management/RFID Tracking
- Just-In-Time Inventory of HP Supplies and Consumables
- Fall Protection – New Products for Tools & Equipment
- DOE's Hanford Tank Waste Legacy – Opportunities for Innovative Clean-Up Approaches

QA Update

Enhancing Worker Safety

Times have changed. Anyone who has worked in the nuclear industry and has been through Radiological Worker Training knows how to don protective clothing correctly. One of the last steps is to put on rubber gloves, which provide excellent protection from contamination, but are sometimes difficult to work in.

UniTech's GripTech gloves provide an alternate protective garment, great for use in dry areas with manageable amounts of radioactive contamination. Form-fitting GripTech gloves allow workers to easily perform precision activities. In areas where high radiation levels are present, GripTech gloves can be used as an additive ALARA tool, enhancing workers' abilities to perform tasks efficiently and comfortably.

Words of Wisdom

“Nuclear power will help provide the electricity that our growing economy needs without increasing emissions. This is truly an environmentally responsible source of energy.”

– Michael Burgess (R-TX)
UniTech Staff Updates

Customer Service Excellence

Tracy Barmore has been promoted to the role of Onsite Coordinator/Rad Shipper for UniTech Services Canada. He will work directly with Bruce Nuclear Generating Station, operated by Bruce Power.

Tracy has been a member of the UniTech team since 2010. For the past five years, he has directly served as Onsite Coordinator to Turkey Point Nuclear Generating Station and St. Lucie Nuclear Power Plant, both operated by Florida Power and Light.

Congratulations, Tracy! Thank you for your hard work.

Congratulations to UniTech On-Site Coordinator Deborah Tobin for customer service excellence during a very busy outage season! This spring, Deborah assisted R.E. Ginna Nuclear Power Plant with its transition to UniTech’s One Program and launderable garments.

Customers have greatly appreciated Deborah’s diligent work. This fall, Deb will be coordinating the One Program at Byron Nuclear Generating Station during its outage.

UniTech EU Prepares for 13th Annual International Workshop

UniTech Europe will hold its 13th annual International Workshop October 11-12 in Braunschweig, Germany. This year’s theme is Decontamination: improvement in procedures through innovation in protective equipment. In addition to presentations and practical workshops, the event will include technical tours of the Mine of Asse in Remlingen and Mine of Konrad in Salzgitter. Each year, the International Workshop is attended by nuclear industry professionals from around Europe.

Practical workshops and training:

- Emergency Air Supply: Demonstration and Practical Application
- Time Savings and Efficiencies for Dressout Areas
- DeconGel™: Applications and Results

Presentations:

- CE Certification 1073-1 and 1073-2: Test Procedure and Applications, Welding and Arc Protection, New Certifications
- Recycling of Lead Blankets and more.

Thanks for reading UniTRACK!
Visit www.UniTechUS.com for a free UniTech fidget spinner. Enter code: FIDGET

Day Crew for Limerick Generating Station

U.S. Locations

<table>
<thead>
<tr>
<th>Corporate Office</th>
<th>Plants</th>
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<tr>
<td>UniTech Services Group, Inc.</td>
<td>Springfield, MA</td>
</tr>
<tr>
<td>138 Longmeadow Street</td>
<td>Royersford, PA</td>
</tr>
<tr>
<td>Longmeadow, MA 01106</td>
<td>Oak Ridge, TN</td>
</tr>
<tr>
<td>Toll Free: 800-344-3824</td>
<td>Barnwell, SC</td>
</tr>
<tr>
<td>Tel: 413-543-6911</td>
<td>Macon, GA</td>
</tr>
<tr>
<td>Fax: 413-543-6989</td>
<td>Morris, IL</td>
</tr>
<tr>
<td>Email: <a href="mailto:info@UniTechUS.com">info@UniTechUS.com</a></td>
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<td><a href="http://www.UniTechUS.com">www.UniTechUS.com</a></td>
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UniTech Services Group, Inc. is a subsidiary of UniFirst Corporation.

EU Locations

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<tbody>
<tr>
<td>De Mars 11, NL-7742 PT Coevorden, NL</td>
<td>Brookdiek 2L</td>
</tr>
<tr>
<td>Tel: +31-524-599-699</td>
<td>D-49824 Laar, Germany</td>
</tr>
<tr>
<td>Fax: +31-524-599-688</td>
<td>Tel: +49-5947-910-2910</td>
</tr>
<tr>
<td>Email: <a href="mailto:ens@UniTechEU.com">ens@UniTechEU.com</a></td>
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<td><a href="http://www.UniTechEU.com">www.UniTechEU.com</a></td>
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<tr>
<th>UniTech Services Group, Ltd.</th>
<th>UniTech Services S.A.S.</th>
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<td>ZA la Malvesine</td>
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<tr>
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<tr>
<td>Crumlin, Newport NP11 3HY</td>
<td>13720 La Bouilladisse, France</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Tel: +33-965-012247</td>
</tr>
<tr>
<td>Tel: +44-1495-249-688</td>
<td>Fax: +33-442-048387</td>
</tr>
<tr>
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