

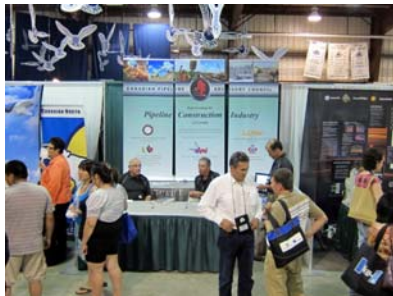
# CANADIAN Pipeliner

THE NEWSLETTER OF THE PIPE LINE CONTRACTORS ASSOCIATION OF CANADA



## NPPL Participates in the 2011 Inuvik Petroleum Show

As in previous years, Northern Pipeline Projects Limited (NPPL), in cooperation with members of CPAC, was an exhibitor at the 11<sup>th</sup> annual Inuvik Petroleum Show in June 2011 at the Midnight Sun Complex in the town of Inuvik, Northwest Territories. Playing host to about 500 conference and trade show



participants, the trade show provides a unique opportunity for NPPL to reach out to the community. As an exhibitor, NPPL is able to provide information on careers in pipelining and the various training and education programs available for workers looking to enter the industry.

NPPL was established in 2001 by the PLCAC and its four pipeline craft union partners and was created with attention to Canada's North where pipeline construction will have a significant impact on local economies. For more information on NPPL please visit [www.northernpipelineprojects.com](http://www.northernpipelineprojects.com).

## T.W. Johnstone Wins ORCGA Gas Excavator of the Year for 2010

PLCAC member T.W. Johnstone Company Limited of London ON, Canada won the Ontario Regional Common Ground Alliance (ORCGA) Gas Excavator of the year award for 2010. The ORCGA is a member-association that focuses on public safety, environmental protection, and the integrity of underground infrastructure in Ontario. Congratulations to everyone at T.W. Johnstone Company Limited for their outstanding achievement!



## PLCAC Explores Pipeline Training Opportunities for Alberta

Earlier in the summer, PLCAC representatives met with representatives from the Government of Alberta, Enbridge Inc. and its union partners at United Association Local 488 in Edmonton, Alberta. The meeting was to review the current education and training landscape for pipelining in Alberta and the various initiatives being conducted to promote applicable training in aboriginal communities.



## CPAC Meets with Enbridge Inc.



Representatives of the Canadian Pipeline Advisory Council (CPAC) met with senior executives of Enbridge Inc. in June 2011 to review future pipeline projects, in particular, Enbridge's Northern Gateway Pipeline Project. The meeting was productive and provided an opportunity for CPAC to meet with Enbridge Inc. and emphasize CPAC's ongoing commitment to pipeline safety and training. CPAC is a co-operative joint labour/management group of senior pipeline craft union representatives and Officers of the PLCAC. The Council meets to discuss issues that affect the pipeline construction industry as a whole and work together to foster better relations with industry stakeholders.

**PLCAC SPECIAL EDITION NEWSLETTER**

The fall edition of the PLCAC Canadian Pipeliner Newsletter provides an opportunity for individual Associate Members to submit stories to the PLCAC to inform readers about information on new advances or innovations in equipment, services or procedures from their respective companies that relates to the pipeline industry.

**New Volvo PL3005 Pipelayer**



The new PL3005 pipelayer from Volvo Construction Equipment has a Volvo Tier 4i-certified engine. An anti-two block device automatically prevents hook / load block from making harsh contact. A planetary, high pull winch delivers smooth lifting performance and precise control. The PL3005 provides performance in load positioning through 360 degrees of swing for maximum flexibility and precise load positioning. The Volvo Care Cab has it all — clear visibility, comfort and ergonomically positioned controls. The PL3005 load management system

enhances site safety and increases operator efficiency by communicating operating parameters. A rear view camera is standard equipment on the PL3005.

CareTrack, the Volvo Construction Equipment telematics system, is free for three years and provided as standard equipment. The operating weight of the PL3005 is 78,350 pounds. Maximum tipping capacity is 112,000 pounds. Maximum rated capacity is 68,340 pounds.

For more information, please visit [www.volvoce.com](http://www.volvoce.com).

**Bridgewell New Composite Mat**



Bridgewell is pleased to introduce a new composite mat. The Rugged-Road mat is an all-weather, long-lasting composite molded from a single piece of High Density Polyethylene (HDPE). The mat has special proprietary fillers and additives that

provide additional strength, rigidity, and impact resistance. The stable, uniform surface is perfect for a variety of industrial and construction environments such as transmission line, pipeline construction, drilling site development, barge work and more. Rugged-Road mats feature locking fasteners for secure, safe operation, and allow engineers to use their design values to help on project calculations.

Rugged-Road heavy duty mats offer a standard thickness of 4.25" x 7.5' x 14', performs in all weather conditions, are easy to clean and will not rot over time. These interlocking composite mats also help to keep the mat road or staging area intact and clean and are easy to maneuver from jobsite to jobsite.

For more information, visit [www.bridgewellmats.com](http://www.bridgewellmats.com).

**Serimax Maxiluc**



Part of the success of pipeline automatic welding is dependent on pipe alignment and fit-up. However, due to wall thickness and out-of-roundness manufacturing tolerances allowed by linepipe specifications, a 3 to 5mm "high-low" is not unusual. To counter-balance this situation and its associated welding repair risks, Serimax developed a patented re-rounding internal lined up clamp. The Serimax pneumatic clamp, named MAXILUC, ensures a perfectly round area at the weld joint plan by precisely controlling its air cylinders pressure, distributed force and traveling distance.



The MAXILUC is the only field-proven line-up clamp on the market engineered to fully compensate high-low due to out of roundness tolerances. MAXILUC can support diameters of up to 56 inches and can operate from -40°C to +60°C with up to 100% humidity.

For more information please visit [www.serimax.com](http://www.serimax.com).

## Kramer Ltd. Expands Regina Location

Kramer Ltd, a 2009 and 2010 winner of Canada's 50 Best Managed Companies program and Saskatchewan's Caterpillar® dealer since 1944, recently doubled the size of their Regina service shop, adding over 35,000 square feet to bring the total space to 65,600 square feet.



The expansion and increased capacity of the Regina facility helps to benefit many stakeholders involved in pipeline projects slated for kick-off in Saskatchewan and allows Kramer to better respond to the service and repair needs of front-line customers both in Regina and at the company's six other branch locations around the province. (Saskatoon, Tisdale, Estevan, Swift Current, Kindersley and North Battleford) Kramer is proud to offer a full line of equipment, parts, and service that pipeline companies need to operate efficiently.

Visit [www.kramer.ca](http://www.kramer.ca) for more information.

## American Augers DD-220T Track Mounted Directional Drill



Re-designed and re-engineered for 2011, American Augers continues to revolutionize the horizontal directional drilling world. Traditionally, American Augers provides reliable, field-tested, and versatile systems that continually give confidence with equipment from an experienced manufacturer. The DD-220T made its debut at ConExpo 2011 featuring an



enhanced display model complete with corresponding driller's cabin. The new DD-220T has been designed for modular Tier 3 / Tier 4i Cummins power and restyled with smooth body lines. It features a touch screen display, is remote data-acquisition capable, has a quiet pack, and is Europe legal. Other new features include 30,000 ft. lbs. (40,675 Nm) of Rotary Torque, 220,000 lbs. (100 Tonnes) Thrust / Pullback, optional Knuckle Boom Crane, Microprocessor controlled operator's console and is CE compliant.

For more information visit [www.americanaugers.com](http://www.americanaugers.com).

## Worldwide Machinery: SUPERIOR SPX-Series Pipelayers



**WORLDWIDE MACHINERY**  
PIPELINE DIVISION

With more than 50 years of experience in the pipeline industry, SUPERIOR Manufacturing introduces the SPX-Series pipelayers. Available in three sizes — SPX-960, SPX-660 and SPX-460, SUPERIOR Manufacturing can offer an ideal machine for any project.

The SPX-Series pipelayers are remarkably easy and safe to operate and feature a hydraulic kit that has been used for more than 15 years in the conversion of mechanical Cat, Fiat and Komatsu pipelayers and dozers. With only two joysticks, the operator can control both winches, increase/decrease the engine's throttle, and control the machine's travel. Another noteworthy feature is the new ATP-Plus anti-tipping system with in-cab display that lets the operator know the degree of boom overhang and the actual weight being lifted. A state-of-the-art hydrostatic system ensures safety and reliability and is especially efficient when working on steep grades. There are two extra pilot levers for the transmission that assist in making precise maneuvers, such as turning in a steep hill or making pinpoint movements to couple the pipes. The LCD display shows relevant information in a pleasing, easy to read, graphical interface.



Please call 1-800-383-2666 or email [pipeline@wwmach.com](mailto:pipeline@wwmach.com) for more information.

## PLM-Cat Finding Solutions for the Global Pipeline Industry



In addition to supplying Caterpillar pipelayers, excavators and tractors for the global pipeline industry, PipeLine Machinery International (PLM-Cat) has partnered with providers of innovative technologies to address specific pipeline safety and efficiency concerns. Moving, stockpiling and stringing pipe operations now have available to them exclusively through PLM the DECKHAND® Pipe Handling System. The DECKHAND accomplishes precise pipe handling and placement without requiring ground crew to work in the vicinity of the moving pipe; the operator, can safely grasp and lift pipe even off center on the pipe joint allowing more flexibility in tight work areas.



Lowering-in operations can now have their operators equipped with precise load management details with the industry's first wireless load monitoring indicator (LMI) system for pipelayers. PLM teamed with Cranesmart to provide an LMI system that enables contractors to manage a safer and more efficient jobsite. PLM is also working with EK Pass on pipeline equipment training to assist owners and contractors with specific training needs.

For more information visit [www.plmcat.com](http://www.plmcat.com).

## UT Quality Inc. Offers Alternatives for Contractors



UT Quality Inc. offers Ultrasonic Technology to the pipeline industry as an alternative to older RT practices (X-Ray and Gamma Ray). The Company's highly qualified proprietary systems (MetaPhase and UTScan) have a proven track record of success using all of the latest UT technologies, which essentially replaces radiography. The systems are exclusively designed, developed, and manufactured in-house.

UT offers faster, real-time inspection and no welding downtime coupled with greater accuracy and improved weld productivity and quality with automated, auditable reports.

For more information on how UT can tailor its services to your needs please visit [www.utquality.com](http://www.utquality.com).



## Vermeer Maxi Drill



Maximize your drilling muscle with the Vermeer line of maxi horizontal directional drills. Field tested to prove they can

handle the toughest large diameter projects, the Vermeer line of maxi rigs are equipped with all the features to improve performance, reliability and durability, helping HDD operators to get the job done in almost any ground condition. The product line include five models ranging in power from 50,000 ft-lb./67,800 Nm of rotational torque and 330,000 lbs/1,468 kN of thrust/pullback to 102,500 ft-lb (138,971.6 Nm) of rotational torque and 1,360,000 lbs (616,885.7 kN) of thrust/pullback.



For more information visit [www.vermeercanada.com](http://www.vermeercanada.com).

## Lincoln Electric DC Welder Generator Summit



Lincoln Electric Company of Canada based in Toronto, Ontario will be

launching its inaugural DC Welder Generator Summit in Toronto from September 26-28 2011. The event will have live demonstrations featuring some of Lincoln Electric's products such as the Pipeliner 200D, the Classic 300D, the SAE 400, SAE 500 and SAE 500 Severe Duty among other products offered by Lincoln Electric.



For more information on the Summit and on Lincoln Electric please contact Bruce Clark at 905-369-1561 or visit [www.lincolnelectric.ca](http://www.lincolnelectric.ca)

## Vacuworx MC 3 “Mini”



Vacuworx’s MC 3 “Mini” is a new fully self-contained lifter designed to provide more options for contractors. The lifter easily attaches to excavators, forklifts, wheel loaders, cranes, and boom trucks and can lift materials such as steel plate, concrete slab, landscape rock, and tubular products such as steel, concrete, plastic, or coated pipe of most types with ease. *Key advantages:* Fully self-contained unit; smaller size - opening the door to a host of new carriers (dry wt. 900 lbs); fewer ground personnel required; up to 3 tonne capacity (please confirm material dimensions to ensure safe lifting); no damage to materials or coatings; pipe can be stockpiled without spacers; any type of pipe or slab can be handled, including concrete, steel, or poly; a sophisticated wireless remote control with many “fail safe” features; and, only the vacuum pad(s) must be changed to switch to different pipe diameters. Located in Tulsa, Oklahoma, Vacuworx International has recently added 26,000 sq ft to its operations to better serve its customers.



Visit [www.vacuworx.com](http://www.vacuworx.com).

## John Deere’s New G-Series Excavators

John Deere has launched two new G-Series Excavators for the pipeline business featuring IT4-certified engines, more power, and cab improvements to increase visibility. The new series introduction includes the 350G LC at 271 net rated HP and the 470G LC at 370 net rated HP. The product increases power and hydraulic flow while also adding the IT4 engine resulting in an 8% increase in productivity.



**JOHN DEERE**



Based on customer feedback, specific visibility improvements in the G-Series cab have been made by redesigning the upper structure to include more glass and more lighting to improve sightlines and provide operators with a more comfortable and productive experience during the course of a shift.

Both the 350G LC and 470G LC have many pipeline friendly features and are supported by the John Deere dealer network providing support across the continent and backed by a traveling warranty and standard JLink™ telematics.

For more information contact Matt Wills at John Deere 905-945-7347.

## ORICA’s Uni Tronic™ 600 and BB310R

Orica Mining Services, a segment of Orica Limited, is proud to introduce the Uni tronic™ 600, the next generation of Orica’s Uni tronic™ detonators. The



Uni tronic™600 is an evolution to Orica’s electronic blasting system portfolio and is designed to further enhance the productivity and safety of pipeline construction blasting. New features of the Uni tronic™600 detonator include: on-grade testability of the detonator, a significant improvement in timing accuracy, more reliable communication with ancillary equipment and faster/easier hookup to the blasting pattern. On-grade testability provides verification of circuit and detonator functionality after matting for reduced production downtime when blasting.

Orica is also proud to introduce the Uni tronic™ blast box BB310R, a remote blasting solution. The remote blast box can be placed in proximity to the blast pattern and can communicate via radio modem to the firing control box, which can be positioned at a point of safety up to 6,500 feet from the blast pattern - providing an optimal view of the blast and increased safety for personnel and equipment.



More information on Orica’s products and services can be found at [www.oricaminingservices.com](http://www.oricaminingservices.com)

## Atco's Blast Resistant Steel Buildings



ATCO Structures & Logistics' latest product offering, blast-resistant steel buildings, is helping the energy industry improve safety. Operators are keeping workers safe, maintaining productivity and meeting regulatory standards with ATCO's certified blast-resistant solutions.

These buildings have been field tested by an independent consulting firm to withstand 1,250 pounds of ANFO explosives (a mixture of ammonia nitrate and fuel). Rental and permanent solutions are available – from single units to large custom complexes – and designed to meet low, medium or high blast overpressures and a range of duration. The units can be joined or stacked and do not require anchoring, offering flexibility for layout and location. Rental fleet can be immediately deployed and are engineered to withstand overpressure up to 8 PSI, 200ms.

In addition to blast-resistant buildings, ATCO also offers workforce housing, noise attenuation and site services for oil and gas projects. With offices in Calgary, Edmonton, Prince George, Vancouver, Fort McMurray, Regina, Saskatoon, Winnipeg, Toronto, Kingston, Ottawa, Timmins and Montreal, ATCO Structures & Logistics provides support to even the most remote Canadian pipeline operations.

For more information, please visit [www.atcosl.com](http://www.atcosl.com).



## ApplusRTD RayScan



The ApplusRTD RayScan is now ready for the field and looks to change the way the industry executes pipeline radiography projects for years to come. RayScan provides high speed; high quality; real-time digital radiographic solutions for pipeline owners and constructors with industry leading safety considerations built into the system.

Reliable and efficient, the Rayscan system provides the following benefits: Superior data quality over conventional gamma or x-ray results by producing higher image sensitivity; unparalleled data and audit management through digital results and electronic movement of information (no more industrial film); no processing chemicals are required; significant radiation exposure reductions through intelligent shielding designs incorporated within the system; mobile capabilities; immediate weld quality feedback; flexibility to work in varied environments within the pipeline and associated fabrication industry.

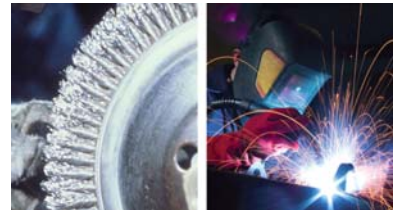


For more information visit [www.applusrtd.com](http://www.applusrtd.com)

## Osborn Cutback Brush 114



The heavy duty 114 knot Cutback Brush from OSBORN is made from ultra high-density AB wire and used for angled removal of three layer and greater coatings from pipe ends. A problem in pipeline construction is the preparation of the coated pipeline pipe for



the subsequent welding process. The coating, about 1/2" thick from the edge of the pipe end and 6 to 9 inches back, must be removed and leave an angle at the back side. This is so that when the pipe sections are welded together, the gap without coating (12 to 18 inches) can be properly coated before the pipeline is lowered into the ground or ocean. This process is to prevent corrosion. Removing this coating from both ends of the pipeline tubes constitutes an enormous time and cost factor. Together with leading machine manufacturers, OSBORN's special brush is efficient and effective and can carry out three steps simultaneously: cleaning the pipe edge, removing the coating on the pipe cladding, and grinding the coating angle.

Please contact Osborn at 1.800.720.3358, by email at [brushes@osborn.com](mailto:brushes@osborn.com), or visit [www.OSBORN.com](http://www.OSBORN.com) for more details.

## Hobart Brothers Welding Processes Improve Efficiency



To address the challenges of welding on high-strength onshore transmission pipelines, Hobart Brothers and Miller Electric Mfg. Co., both of ITW Welding North America, have collaborated on several pipeline projects, combining induction heating, metal-cored wire, and the Regulated Metal Deposit (RMD) process. This combination has proven effective in minimizing weld cracking, in monitoring pre-heat and interpass temperatures along with general welding parameters (amperage, voltage, etc.) to improve productivity. The



processes can be used on both mechanized and semi-automatic pipe welding applications. *Additional benefits include:* fast pre-heating and temperature uniformity (induction heating); greater arc control and thicker root pass than conventional short circuit MIG processes (RMD); and higher deposition rates, consistent penetration profile and faster travel speeds (metal-cored wire).

Mike MacGillivray, general manager for the Global On-Shore Transmission Pipeline Group will speak on this topic at the upcoming Canadian Welding Association Conference 2011, September 19-20 in Banff, Alberta, Canada.

For more information, visit [www.itwwelding.com](http://www.itwwelding.com).

## Ditch Witch JT100 All Terrain HDD

With 100,000 lb (445 kN) of pullback and 12,000 ft lb (16 270 Nm) of torque, the JT100 "All Terrain" is built for extended-range bores and installations of large-diameter pipe. The machine's 268-hp (200 kW) engine delivers more raw power efficiently to all machine functions for a faster installation. The JT100's exclusive, patented two-pipe drilling system can install pipe in most ground formations, including solid rock.



For horizontal directional drilling (HDD) applications, the All Terrain system uses a mechanical motor system designed to transfer more power to the bit than any other rock-drilling system in its class. Its unique shaft-within-a-pipe design features a strong, hex-shaped rod that turns inside an outer pipe. The inner hex shaft works as a mechanical motor that drives the bit during the bore; the outer pipe thrusts the bit forward, steers the drill string, and works to transmit full machine torque during backreaming. A mechanical motor system greatly expands the capacity to drill in tough ground conditions, and most bores are accomplished with minimal drilling fluid flow, reducing jobsite cleanup time and expense.

Visit [www.ditchwitch.com](http://www.ditchwitch.com) for more info.

## PipeSak Develops PipePillo for Pipeline Support In and Out of the Trench



After completing five years of design and engineering, PipeSak Pipeline Products introduces PipePillo™. The PipePillo™ product serves dual functions - providing controlled support and protection for the pipeline through areas of rocky trench, and for use adjacent to the trench as stackable pipeline support for stringing and welding. In recent trial tests, in particular on the Ruby Pipeline Project, PipePillo™ pipeline supports proved quick and easy to install; kept the pipeline centered in the trench; and maintained a design height of 8" – all at a competitive price.

Current pipeline support practices include sand, sand bags, or foam; however, they have always been a bit of an 'inexact science' – each with its own significant drawbacks. PipePillo™ is lightweight; can be installed from outside the trench; does not float or biodegrade; and does not restrict cathodic protection currents.

For more information, please contact Rocky Seils, [rseils@pipesak.com](mailto:rseils@pipesak.com), toll free: 1.866.747.3725 or visit [www.pipesak.com](http://www.pipesak.com).



## 2011 Cal Callahan Bursary Application Deadline Oct 31

Every year the PLCAC seeks candidates across Canada for its Cal Callahan Memorial Pipe Line Contractors Association of Canada Bursary. To qualify, students must be in their first year of studies at a recognized college or university and is a son or a daughter of persons whose principal income are through employment by, or have a history of employment with a firm who is a Member of the Pipe Line Contractors Association of Canada.

If you have a son or daughter entering their first year of college or university in 2011 and believe that they qualify, please go to our Bursary section at [www.pipeline.ca](http://www.pipeline.ca) for application information or email Michael Gallardo at [mgallardo@pipeline.ca](mailto:mgallardo@pipeline.ca). The deadline for applications is **October 31, 2011**.

## PCST Renewal Reminder

The PLCAC is dedicated to ensuring the safety of all persons working for its members on pipeline construction projects in Canada. In order to maintain this dedication of ensuring the safety of those working on pipeline projects, it was agreed that all employees would renew their PCST training and certificates every three years. In order to facilitate this, the Construction Sector Council (CSC) through their e-learning site has provided a PCST Certificate Renewal course.

This link can be accessed by going to: <http://elearning.csc-ca.org>. For any inquires or to renew your employees PCST Certificate, please contact the PLCAC at [plcac@pipeline.ca](mailto:plcac@pipeline.ca).

## Thomas Fuller Golden (1942-2011)



Thomas Fuller Golden, President of Midwestern Manufacturing Company (and PLCAC Associate Member), passed away on Friday, August 12, 2011 at the age of 69.

## 2011-12 PLCAC Directory

Members of the PLCAC should have now received their hardcopy version of the 2011-12 PLCAC Membership Directory. If you have any updates to your individual listing that you would like made at any time throughout the year, please contact the PLCAC office at 905-847-9383.

## ACTION DATES

### 2011

#### September 12-16

**International Pipeline & Offshore Contractors Association**  
45th Annual Convention  
Beijing China  
Contact: Juan Arzuaga  
41.22.306.02.30  
[iploca.com](http://iploca.com)

#### October 22-25

**Australian Pipeline Industry Association**  
Annual Convention  
Sydney Australia  
Contact: Steve Dobbie  
(02) 6273.0577  
[apia.net.au](http://apia.net.au)

### 2012

#### January 24-26

**Underground Construction Technology Int'l Conference & Exhibition**  
San Antonio TX  
Contact: Karen Francis  
281.558.6930  
[uctonline.com](http://uctonline.com)

#### February 3-8

**Distribution Contractors Association**  
51st Annual Convention  
Kohala HI  
Contact: Robert Darden  
972.680.0461  
[dca-online.org](http://dca-online.org)

#### February 21-25

**Pipe Line Contractors Association (US)**  
64th Annual Convention  
Carlsbad CA  
Contact: Pat Tielborg  
214.969.2700  
[plca.org](http://plca.org)

#### June 3-7

**Pipe Line Contractors Association of Canada**  
58th Annual Convention  
Whistler BC  
Contact: Neil Lane  
905.847.9383  
[pipeline.ca](http://pipeline.ca)

Mark your calendar for...



Reproduction of material is encouraged, please acknowledge the association's newsletter  
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