

FACILITY FOCUS

The Official Publication of the Alberta Educational Facilities Administrators' Association

FALL 2017



THE ALBERTA EDUCATIONAL FACILITIES
ADMINISTRATORS ASSOCIATION

ELKAY

A fountain of ingenuity.

- Power down refrigeration in off-hours
- Electronic sensors for filter status
- LED light
- Customized message displays*
- Updated graphic interface
- Operated from a central location*

Our next generation bottle filling stations are easier to order, ship in a single box and are made with the quality you've come to expect from Elkay.

Find out more at elkay.com/ezH2O



ezH2O

DOBBIN SALES
L I M I T E D

www.dobbinsales.com

Published by:
DEL Communications Inc.
Suite 300, 6 Roslyn Road
Winnipeg, MB R3L 0G5
www.delcommunications.com

President & CEO
David Langstaff

Publisher
Jason Stefanik

Managing Editor
Cindy Chan
cindy@delcommunications.com

Sales Manager
Dayna Oulion
dayna@delcommunications.com
Toll Free: 1.866.424.6398

Advertising Sales
Gary Barrington
Jennifer Hebert
Dan Roberts

Production services provided by
S.G. Bennett Marketing Services
www.sgbennett.com

Art Director
Kathy Cable

Layout / Design
Dana Jensen

Advertising Art
Dave Bamburak

Cover photo credit:
CHANDOS

©Copyright 2017. Alberta Educational Facilities Administrators' Association.
All rights reserved.

The contents of this publication may not be reproduced by any means, in whole or in part, without the prior written consent of the publisher.

While every effort has been made to ensure the accuracy of the information contained herein and the reliability of the source, the publisher in no way guarantees nor warrants the information and is not responsible for errors, omissions or statements made by advertisers. Opinions and recommendations made by contributors or advertisers are not necessarily those of the publisher, its directors, officers or employees.

Publications mail agreement #40934510
Return undeliverable Canadian addresses to:
DEL Communications Inc.
Suite 300, 6 Roslyn Road,
Winnipeg, MB R3L 0G5
Email: david@delcommunications.com



PRINTED IN CANADA 09/2017



TABLE OF CONTENTS

- 4** Message from the AEFAA president, Russell McKay
- 6** Bowness High School additions benefit students and community
- 10** Utilizing technology to improve school safety and student engagement
- 12** Designed by the students, for the students
- 14** AEFAA conference recap
- 16** ServiceMaster available 24-7, 365 days a year
- 18** Viessmann biomass heating technology is a reliable, economical and environmentally responsible option
- 20** Preventative HVAC maintenance:
Short-term pain, long-term gain
- 22** Communication is key
- 26** Make your schools safer and more efficient for the 21st century
- 28** Helical (screw) piling foundations
- 30** For the love of sports

INDEX TO ADVERTISERS

Ace Mats & Janitorial	13
Alberta Roofing Contractors Association	15
Allmar Inc.....	16
Anixter Canada Inc.....	11
ASE Services	15
B.G.E. Service & Supply Ltd.	29
Belfor Property Restoration.....	25
Breathe Easy Duct Cleaning	24
Buckwold Western	25
Caster Town	20
Casterland.....	21
Centaur Products Inc.	30
Dafco Filtration Group	22
Dobbin Sales Ltd.	IFC
ERV Parent	26
Front Row Education.....	27
Genesis Integration Inc.	23
Howell-Mayhew Engineering Inc.	16
IBC Technologies.....	5
Inland Screw Piling	29
IRC Building Sciences Group.....	9
Longbow Sales Inc.....	24
Quality HVAC Products Ltd.....	OBC
Refrigerative Supply	4
Reliable Controls Corporation.....	IBC
Royal Stewart Ltd.....	29
Schoolhouse Products Inc.	8
Servicemaster of Edmonton	17
The Workun Garrick Partnership	18
Viessmann Manufacturing Company Inc.	19
W.E. Greer Ltd.	13
Western Gym & Recreational Supplies Ltd.	24
Winmar.....	7

Message from the AEFAA president, Russell McKay



Greetings, one and all. The 2017/18 school year is upon us and it seems that the summer months are getting shorter and shorter - or is it just me?

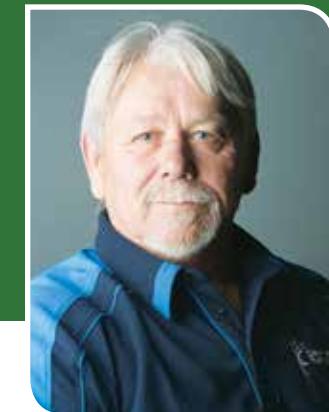
I hope everyone was able to complete as many projects as planned and the school year will open as always with buildings the staff and students are proud of.

The spring conference in Red Deer was once again a success. Although attendance was down slightly due to the conflicting Banff conference, the trade show was well-attended and the sessions were informative and stayed within the theme of "Building Professionals". The spring event will once again be at the Sheraton

in May 2018, and the executive has already come up with a great trade show theme. It was fantastic to see so many new members attend this spring and, after talking to several of them, it was great to hear how important the event was and that the networking was invaluable.

The fall workshop will be held at the Jasper Park Lodge on October 18, 19 and 20. At this point the trade show will be on Wednesday evening, and SAIT will do an all-day session on Thursday. The Friday morning session is not finalized at this time, so please watch for registration and event information on the website and emails from Alan Kloepper. Hope to see a good turnout.

As I begin a second term as AEFAA president, I have a goal with the executive to continue



our membership drive. We have done so in the past by attending CASS, ASBA and ASBOA sessions, explaining the benefits gained with having staff become members of AEFAA. So many new directors and supervisors are coming from the public sector and find our organization would be a great benefit to school divisions to send as many staff as possible to our sessions and workshops.

We are continuing to work with EFMA BC to develop courses to better our members in their roles as facility managers. Alan and I attended the EFMA BC conference last June and started talks with their executive to restart a committee that was in place years ago to work towards a common training program. This would enable members from both provinces to be able to work in provincial jurisdiction with recognized certifications. The SAIT courses are a definite step towards our goals.

I hope to see a full house in Jasper and look forward to a safe 2017-18 school year. As always, it is our goal to provide facilities that are safe and functional for staff and students. Schools that we maintain to high standards ensure a working and learning environment for everyone to meet their goals during the school year.

Have a great year! ■

Copeland YORK Honeywell BONN Milwaukee REFPlus FLUKE

Calgary-North
#3, 3401-19th Street, N.E.
Calgary, AB T2E 6S8
P: 403-250-9866
F: 403-250-9877

Calgary-South
4616 Manhattan Road S.E.
Calgary, AB T2G 4B4
P: 403-243-8191
F: 403-243-8670

Edmonton-North
11089 – 120th Street
Edmonton, AB T5H 3R2
P: 780-455-7755
F: 780-455-7800

Edmonton-South
4735 Roper Road
Edmonton, AB T6B 3S5
P: 780-485-2121
F: 780-485-2188

refrigerative supply

Distributing Refrigeration, Air-Conditioning, and Heating Parts and Equipment to the HVAC and Refrigeration Trade.

MULTI-PLEX

RACKING

FOR IBC SL 40-399G3 BOILER

A Modular freestanding system for commercial and multi-family installations, the Multi-plex Racking System components fit through standard doorways reducing the need for heavy transport equipment. Our easy to set up boiler networks also provide for precise load matching through wide turndown ratios.

System Includes:

SS Flex Connectors
Isolation Ball Valves
Check Valves
UPS 43-44F Pumps
Boiler Drains
Unions
Welded Steel Supply & Return Headers
Connection Points for Optional Accessories
All Necessary Nipples & Fittings



Engineered • Easy to Install • Turnkey System

Lord Tweedsmuir Secondary School, BC

IBC Better
Boilers

Quick Installation

- 4 x SL 40-399G3 x 2 Men = 8 Hrs.

Multiple options available

- Inline, back to back and rack only options available
- Header sizes include 3", 4" or 6".
- Left or right header connections includes 1 set of blind flanges.
- Combinations from 2 to 12 boilers on a single system.

Compact design.

- Easy to get into small spaces & around existing equipment
- Flat pack design - reducing shipping costs

Superior Quality

- Low head loss - better flow rates
- Flanged headers for easy expansion
- Seismic ratable

www.ibcboiler.com

Bowness High School

additions benefit students and community

BY CINDY CHAN



xtracurricular courses are just as important and vital as the core subjects to students at Bowness High School – thus, the new CTS (career and technology studies) addition was born.

Bowness High School itself, located in Calgary, Alta., was built in the 1950s, with its most recent renovations being completed in the 1970s and 1980s, so it was overdue for a much-needed facelift. Actual construction began in October of 2014. The addition officially wrapped up on Aug. 19, 2016.

Dan Matthews, project manager with Colliers Project Leaders, explains the construction project consisted of demolishing a timber-frame structure that exceeded its usable life cycle period. In its place, an addition was built. Hazem Abdelnaiem, project manager with Chandos Construction, says the demolished building was made of wood, but the new addition – 3,926 metres squared – was built with non-combustible materials such as structural steel.

WINMAR®

PROPERTY RESTORATION SPECIALISTS



Calgary
403-294-0005

Cold Lake
780-639-3477

Edmonton
780-488-8854

Grande Prairie
780-568-4402

Lethbridge
403-331-0001



Lloydminster/Lakeland
780-874-1000

Medicine Hat/Brooks
403-548-7737

Red Deer
403-986-9627

95 Service Locations Across Canada

"We installed pencil-looking columns on the exterior of the building," Abdelnaiem explains. "They were structural columns that look like pencils to represent the school." Abdelnaiem says they were built in a slanted formation to look like pencils in a pencil box. "We put wood-grain cladding on the exterior to make it look like it's made of wood. There are ceiling-high windows in the entrance and common area to allow for better lighting."

Within the addition were classrooms and spaces for several different disciplines, such as a robotics lab, cosmetology lab, culinary arts space and an arts space, according to Stephen Purdy, architect at Zeidler Architecture.

"The design approach of the new addition was to design an efficient two-storey box which houses all

the formal program spaces," Purdy says. "This 'box' was then rotated slightly and pulled away from the existing building. The space between the existing building and the new addition then forms the new main entry to the facility and an important social, dynamic, light-filled public space for the school. Overall, the look is modern and contemporary."

Purdy says the robotics lab is the size of two classrooms but best part is the equipment. Students will be able to build robots and learn about software programming. Matthews explains the top-of-the-range lab is located on the second floor of the addition.

"In the culinary arts space, there is a bakery, full cooking facilities, a couple of walk-in freezers," Purdy says. "They also have a food service line, so they can serve hot

and cold foods to the students." The room is also equipped with gas stoves, refrigerators, mixers, blenders and much more.

The cosmetology room offers programming to Grades 10, 11 and 12 students, as it is divided into junior and senior cosmetology programs. Purdy says Grade 10 students get a more theory-based education until they reach Grade 11 and 12 where they get their own individual work stations. Within the new addition, the cosmetology space features hairdressing stations.

In the arts space, perimeter counters and cabinetry adorn the room. There is also a kiln room and a computer alcove area.

"In conjunction with the expansion, we installed a complete sprinkler system," Abdelnaiem says, adding that when integrating a new addition to an existing school, they must bring certain things up to code – including the sprinkler system.

"The existing building isn't rundown; it was an older facility with a lack of natural lighting," Purdy says.

Now, Bowness High School features a brand new entrance that welcomes the community. Purdy says the school is more actively engaged with community members by allowing entry to the gym after school hours and inviting local senior citizens in to get their hair done at the cosmetology lab.

"It was a gold-star project for the CBE," Matthews says. "We started on time, finished on time and finished on budget. It was, at times, very stressing but it worked out well in the end." ■

FURNITURE. ALL KINDS. RIGHT HERE.



Audio-Visual • Classroom • Computer • Cafeteria • Early Childhood • Library • Storage & File



Staging/Choral Risers • Music Room • Office • Office Seating • Teacher's Desks • Lounge Seating




Schoolhouse
products inc.
www.schoolhouseproducts.com

Jamie Dobbin | Phone: 403-201-3318 | Mobile: 403-519-0711 | jamie@schoolhouseproducts.com
Gord Nicholson | Toll Free: 1-877-722-9222 | Mobile: 403-862-5010 | gordnicholson@telus.net
Kaley Beaudet | Mobile: 403-808-0721 | kaley@schoolhouseproducts.com

Bringing the Science of Buildings into Focus.

Our Services

- » Property Condition Assessments
- » Capital Planning
- » Reserve Fund Studies / Depreciation Reports
- » Sustainability & Performance Audits
- » Design & Specifications
- » On-site & Product Testing
- » Heritage Restoration
- » Property Rehabilitation & Remediation
- » Project Management
- » Quality Observations
- » Asset Management Program
- » 24/7 Emergency Services



Roofing



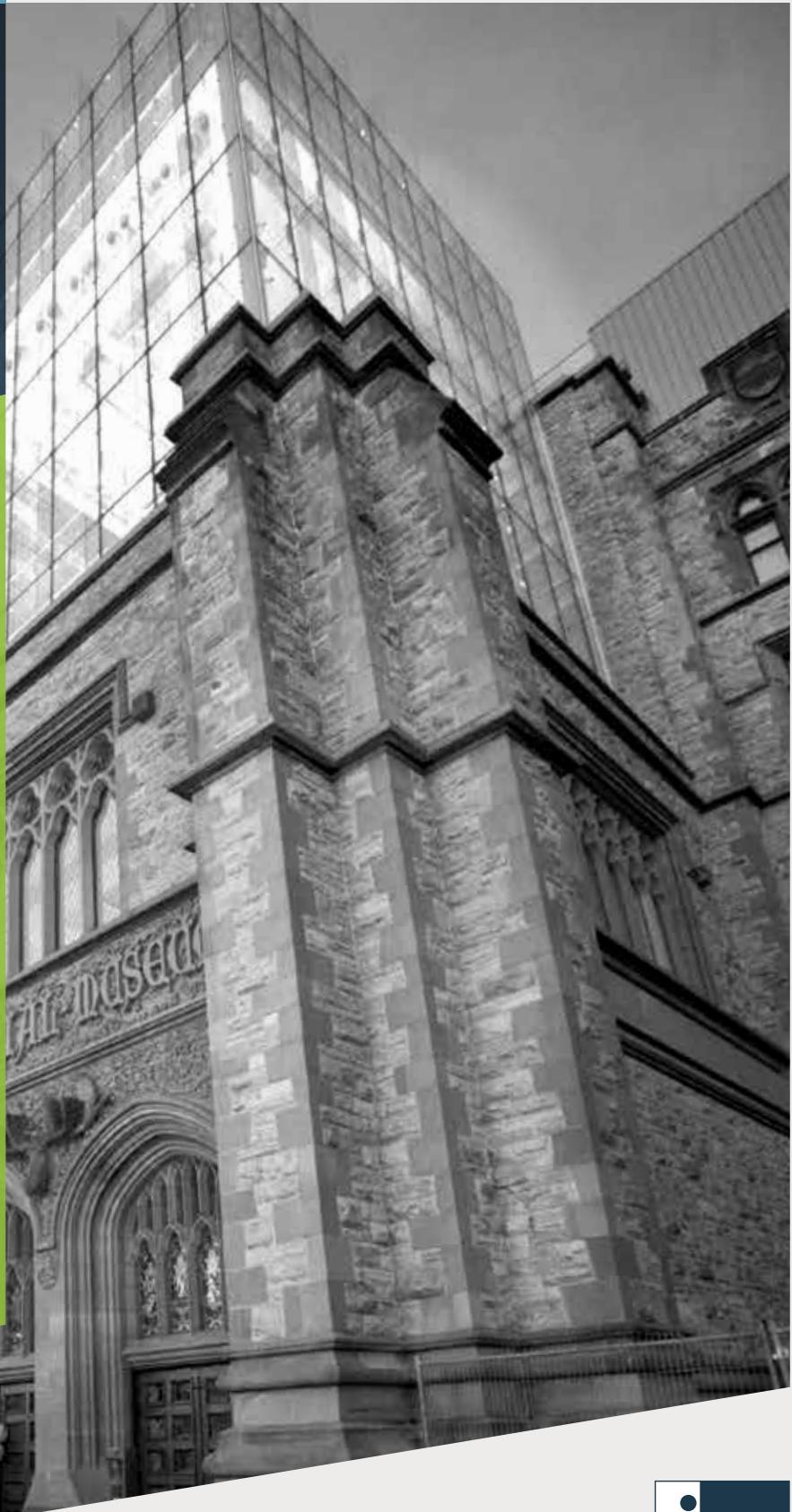
Structural



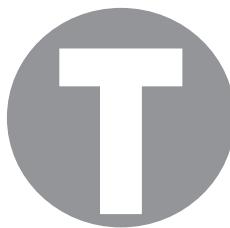
Building
Envelope



Pavement



Utilizing technology to improve school safety and student engagement



The role of a school administrator has grown over the past decade to not only include the management of school faculty and student curriculum, but also tough technology choices.

With increasing concerns over safety, school administrators are under pressure to implement advanced security and emergency response solutions. Furthermore, as technology has become such an integral part of our daily lives, it's important that students be introduced to new technologies in the classroom to prepare them for real life. Technology use in the classroom has also been shown to increase student engagement and can help with learning and retention of knowledge.

This article highlights the most essential components of a comprehensive school security solution, as well as how technology can be utilized in the classroom to improve student engagement.

Improving school safety with a comprehensive security solution

Watching over the school - Video surveillance is what typically comes to mind first when thinking about security. Live feeds and stored footage from video cameras located around a building are vital for security response and investigations. Today's video surveillance technology is based on Internet protocol (IP), which allows for connection to the school network and access to video feeds via a web portal on the Internet. Additionally, first responders can access individual video cameras and stored video recordings over the Wi-Fi computers in their vehicles for a more effective response to an incident as it happens.

Keeping track of visitors - Tracking the location and access of all visitors is fundamental to security. For K-12 schools, access control systems can be used for routine building perimeter security and for protecting individual classrooms during a lockdown. Computer-based visitor access systems can interface as appropriate with student information systems,

employee directories and law enforcement databases for driver's licence and criminal background checks. This expanded information helps front-desk personnel comply with district or institution policy about granting each visitor access to a building or secure area.

Planning for emergencies - In addition to training students, faculty and first responders on the school's emergency plans, systems that broadcast alarms and support remote monitoring for fires, break-ins, flooding, loss of electricity and other conditions remain fundamental for building-level safety and security. This includes shelter-in-place resources, such as backup lines for power and communication, as well as generators.

Using technology to improve student experience

experience - It's no secret that students of the digital age are more technologically savvy than previous generations. Their extensive technology experience outside the classroom has taught us that they tend to engage better within digital environments. Furthermore, innovative audio and video solutions are shown to enhance early education by introducing children to the latest technologies early in life to develop the skills needed to promote college and workplace readiness. That's why many schools are implementing professional A/V solutions to provide an engaging learning environment.

As technology plays a critical role in the modern workforce, it's important that students stay up to date with new technologies and their practical uses. More schools are adopting laptop programs and integrating technology courses into their curriculum. Classrooms are becoming more interactive as both students and teachers are presenting more. This requires an integrated collaboration solution with a projector or digital display and sound system, which allows teachers and students to seamlessly present content from their laptops or other devices.

For more information on how to provide a safer, more engaging learning environment for your students, visit anixter.ca or call your local Anixter NSS branch. ■

Keeping students **safe** and **focused**

While K-12 school administrators are under pressure to provide enhanced security in response to increasing safety concerns, educators are challenged with keeping students engaged in the classroom among a myriad of distractions.

Our comprehensive security solutions allow administrators—and parents—to rest easy by providing complete oversight and control to protect students and faculty from internal and external threats. We also provide professional A/V solutions, which create an engaging learning environment to keep students focused in the classroom. It's been shown that innovative audio and video solutions enhance early education by introducing students to the latest technologies early in life to develop the skills needed to promote university and workplace readiness.

For more information, contact your Anixter representative or visit anixter.ca.

Designed by the students, for the students

Collaboration is a huge part of this school

BY CINDY CHAN



East view. PHOTO CREDIT TO BERRY ARCHITECTURE + ASSOCIATES.



Southeast view.

Westpark Middle School is being built and designed with its students in mind.

The new two-storey build is actually a replacement school for the existing Westpark Middle School in Red Deer, Alta. It began a couple years ago when the Alberta government provided \$100,000 in funding for a scoping project on the old Westpark Middle School to see if it required a modernization or a new build. It ended up being the latter option.

According to Darren Skrepnyk, director of facility services for the

Red Deer Public School District (RDPSD), the study determined that there were many structural issues within the existing building that were too expensive to change, enhance or bring up to code.

Therefore, it made more sense to replace the school. Once the new school is constructed and open to the students, the old school will be demolished. Skrepnyk anticipates the new school of 4,145 square metres will be officially operational in September of 2019.

Della Ruston, associate superintendent of system services for the school district, says construction will start in the fall.

"We should have some bids and

determine a general contractor within a month or so," Ruston says in August.

In the meantime, the school district is currently working with a committee of diverse characters, ranging from community partners, students and elders, whose input they take seriously.

"We continue to include them in everything we're doing throughout the project," Ruston says, adding that the community partners they are working with are the City of Red Deer, Red Deer College and Red Deer Minor Baseball. "We want to build a school that is engaging and focused on the learning needs of students."

And that they will - for the school that RDPSD intends to build allows students to have control in certain aspects of the building.

"We wanted to make sure we could have interaction with the students and use the building as a teaching tool as much as possible," Skrepnyk says. "Our building management system will be

interactive – to a certain degree – for students to make changes."

For example, students will have access to an interactive panel that allows them to adjust fan speeds, air volumes and lighting systems. As well, students are also able to see how their school works in various ways.

"We have an exposed elevator in the centre of the building," Ruston says. "Most buildings put it off to the side but the students felt strongly about the elevator being a real strong feature." Ruston also says the elevator being in the middle is beneficial to their special-needs students.

"The entire school is the learning venue," George Berry, owner of Berry Architecture, says. "Kids could learn throughout the entire building."

The new school will have 25 classrooms for their Grade 6 to 8 students. At the moment, the existing school houses 450 to 460 students but the new school will have a capacity of 500.

The school will have plenty of open areas, and one of the more unique features of the school will be a set of stairs that can move. For example, one day it could

lean towards one side, the next day it could zigzag and so on.

"The kids are really excited about that," Berry says. "They call them the Harry Potter stairs."

In addition to the students' input, Ruston says the committee also sought out advice and opinions from the elders in the community, so the new school will have plenty of First Nations, Metis and Inuit influences.

According to Ruston, the partnership with the City of Red Deer will allow for the construction of a bank of washrooms that will be accessible from the outside of the school. These will be open during community activities, including when the sports' fields are in use. There will be a shared kitchen and concession that will also be available for community events.

According to Berry, the school has an office space for Red Deer Minor Baseball within the building as part of their partnership.

For more information, visit <http://wms.rdpsd.ab.ca>. ■

Previously published in the 2017 issue of Central Alberta Builder, the official publication of the Red Deer Construction Association.

Restore before you replace

Try our innovation

SHRED



A non drying stripper. An amazing restoration product for conventional VC flooring



Before After

Revive your floor at a fraction of the price of replacing!

Do you want to see the results for yourself?

Call us for your

FREE Demo!*

* Demo patch

Scan to learn more



W.E. GREER LTD.
1.800.565.9898 wegreer.com
An Alberta Owned Chemical Manufacturer and Distributor for nearly 100 years.
Tennant Cleaning Equipment Dealer for Western Canada



ACE
Mat Services

Here Comes The Snow Give Us A Go!

Custom Hoodies & Toques, Apparel, Coveralls & Linens

JANITORIAL SUPPLIES:

- Soaps
- Air Fresheners
- Disinfectants
- Fit Wipes
- Wet/Dry Mops

PAPER PRODUCTS:

- Paper Towel
- Centre Pulls
- Toilet Paper
- Facial Tissue
- Dispensers

TEAM APPAREL:

- Jerseys
- Hoodies
 - Hats
- Toques
 - Shirts
- Jackets

SERVICES:

- Uniform
- Coverall
- Towels
- Linens
- Mats
- Restaurants

Mat Service as Low as \$10

No Contract. Don't Like Us, Don't Use Us!

587-223-6287

www.acemats.ca info@acemats.ca

AEFAA conference recap

Russ McKay (left) and Rob Harrington (right) congratulating David Cox (middle) of Northlands School Division for winning the \$2,000 travel voucher.



The Alberta Educational Facilities' Administrators Association held its annual spring conference and trade show in Red Deer on May 15 to 18, 2017 at the Sheraton Hotel in Red Deer. This was another successful conference with more than 80 conference delegates in attendance and 91 booths at the trade show with 211 exhibitors.

This year's conference theme was "Building the Future Together" and keeping that in mind, the sessions focused on our changing demands on challenges we face in the educational facilities industry. Our conference started off with Dr. Alec Couros who gave a very enlightening presentation on social media and its benefits and drawbacks. Following lunch, the trade show started. The theme was Hawaiian, with the delegates and exhibitors enjoying a very Hawaiian atmosphere complete with a pig roast and luau type food. The prizes were plentiful, thanks to the exhibitors, and a very good cross section of service and product providers were in hand to showcase the latest that our industry has to offer. Our trade show director, Rob Harrington, and his many helpers did their best to provide a good show and all their hard work paid off. The evening was capped off with a special grand prize draw of a \$2,000 travel voucher won by Mr. David Cox of Northlands School Division. Congrats, Dave!

The second day of the conference had PD sessions that ran through most of the day. Scott McLarty of Safe Side Consulting, who presented about best practices in health and safety hosted the first session.

Attendees were happy with the content of this session.

Insurance company Lloyd Sadd, who did a historical loss perspective on educational facilities, presented the second session of the day. The substance of this presentation boiled down to dos and don'ts of educational facilities operations and maintenance. This is the second time this presentation has been made in Alberta and has been found to be very informative.

After lunch, three sessions were on the agenda. First, a new school tour hosted by Kevin Erickson of St. Joseph High School was provided. Thanks for doing this, Kevin! The next session was a panel discussion on grounds maintenance. It has been found that these panel discussions are extremely popular and several items were shared from corn gluten for weed control to the best mowers and snow removal equipment available. Blue Imp Playground Equipment Company presented the third session, which focused on designing new playgrounds. Inclusivity of handicapped children in the design of new playgrounds is important and should be implemented at every opportunity. Michael Rasmussen of Blue Imp expressed this in an excellent presentation.

The final event of Wednesday's activities was the banquet and entertainment. The staff of the Red Deer Sheraton provided an excellent meal. Following that, back by popular demand, was "Minute to Win It", hosted by the recently retired Brad Buss. Great job, Brad!



The final day of the conference started off with zone meetings. Interesting discussions took place regarding the realignment of the zones and a directive given to the AEFAA board to change the zones of our membership to two instead of existing three. Following that, the membership moved on to the annual general meeting. The highlight of the AGM was the nomination of our vice-president, Rob Harrington. He will be the AEFAA president and, at

the end of next year's spring conference, replacing our very hardworking president, Russ McKay, who has held that position for the last two years.

It was also announced at the conference that the 2018 conference will be held one more time at the Sheraton before moving on to another location and that the fall workshop will be held at the Jasper Park Lodge on Oct. 18 to 20. Thanks to all who attended and made our spring conference another tremendous success! ■



ALBERTA ROOFING CONTRACTORS ASSOCIATION

INDUSTRY SOURCE

- Standards built for Alberta
- 50+years of warranty satisfaction
- Journeymen qualified crews
- Accepted third party inspectors
- Continuous training programs
- Support for safe work practices



www.arcaonline.ca

ASE SERVICES

ALBERTA SAFETY & ENVIRONMENTAL SERVICES

HAVE YOU EVER WONDERED?

Have you ever wondered why your child keeps missing school due to cold-like symptoms? Why many of their classmates have had multiple absences too? The culprit may surprise you! A water leak in the ceiling space or wall cavity that went unnoticed has allowed microbial growth (mould) to occur. The "cold-like" symptoms your child and other children in the class are facing are the same symptoms mould growth exposure can cause and will make multiple people feel the effects at the same time.



Have you ever wondered if the building materials you are working on contain a hazardous substance that could cause undue harm if impact is not properly controlled? Asbestos and lead were used in many building materials between the early 1900's through to the mid 80's, and in some cases into the 90's. It is important to know if the building materials you are about to impact contain hazards that have the potential to cause you harm.

Contact us today for a
FREE consultation!

Serving Western Canada with offices in
Calgary, Edmonton & Lethbridge.

ASE Services provides hazardous material assessments, consulting, testing, and safety training. Our professional and experienced staff can investigate and manage hazardous materials to help minimize the hassles and health effects they create.

Phone: (403) 475 - 0963 • Fax: 1(877) 520 - 0963 • info@aseservices.ca • www.aseservices.ca

ServiceMaster

available 24-7, 365 days a year



CALL US FIRST, FOR ALL YOUR NEEDS!

Doors & Frames,
Hardware, Washroom
Accessories
Toilet Partitions,
Lockers, Access
Control, & more!

60 YEARS 1957-2017

ALLMAR

Edmonton | TF (888) 488-0680
Red Deer | (403) 347-6332
Calgary | TF (877) 505-5675
Medicine Hat | (403) 504-1994

www.allmar.com

Allmar provides quality construction products and services for the architectural openings industry, including the commercial, industrial, institutional and residential markets.

**h
m
e** howell-mayhew
engineering, inc.

Solar PV Systems Engineering
Project Development, Design, Consulting, Equipment

Solar electricity { - answers to your questions
- energy for your buildings
- leadership in your community

Gordon Howell, P. Eng.
Edmonton • (780) 484-0476 • ghowell@hme.ca

S

erviceMaster of Edmonton was established by Grant Miller in 2002 and has been in operation for 15 years. The company is fully insured and bonded and holds COR certification, meaning our health and safety program meets the expectations of a certified external auditor. From humble beginnings with three employees, our business has grown to employ more than 140 full-time staff members. Our present location occupies 40,000 square feet of office and warehouse space. Currently, we are the franchise's largest branch in North America and we were honoured to receive the 2013 Consumer Choice Award.

ServiceMaster of Edmonton owns more than 2,000 pieces of equipment that are ready to go to any loss, no matter the size. We have multiple crew chiefs and technicians handling emergency services. Enclosed in our facility is a fully functioning ozone room, industrial washing and drying machines and a complete fire line cleaning system. This allows our establishment to be more hands-on with our clients' belongings, ensuring that they are mitigated properly and safely and securely stored in our heated warehouse. In addition to our equipment, storage space and specialized facility, we also have in-house tradespeople that handle

repair services, including drywall installers, painters, carpenters and an electrical division.

ServiceMaster of Edmonton has cultured quality relationships with multiple vendors province-wide. These relationships have been built during various catastrophic events. In 2013, ServiceMaster of Edmonton successfully helped to restore seven heavily damaged schools in High River, Alta. following severe flooding. One of the schools had been under water for three weeks. The High River venture was a \$35-million restoration project. In addition, we also were heavily involved with fire mitigation following the 2016 Fort McMurray wildfires. This most recent event required restoration to 14 moderate to severe smoke and odour-damaged schools. It turned

out to be a \$45-million endeavour which required the co-ordination of more than 500 employees. One school in particular had to have their state-of-the-art mechanical system removed and replaced within one month. This involved over 80 sheet metal staff members working tirelessly to complete the project within the given timeline. In such circumstances, our successful, strong relationships with temporary labour agencies are imperative; without them, we would not be able to handle such large tasks.

ServiceMaster of Edmonton wants our clients to feel as calm as possible during the restoration process. We have an after-hours emergency call service. During the initial consultation, we will gather as much information as possible about the circumstances of the

loss and the clients themselves. From there, the necessary crews will be dispatched and head to site. Our desire is to mitigate the loss as quickly as possible, to stop further damage from happening. Once on site, we will assess the loss and come up with a plan to start mitigation. We will ensure that all of your furniture, supplies and belongings that have not been affected are covered and moved to a safe area. Once mitigation is complete and the site is stabilized, we will re-assess the situation and develop the best strategy to resolve the loss. Each loss is unique – it's important that we organize the best agenda for each circumstance thrown our way.

Please let ServiceMaster of Edmonton be your first call. We are available 24-7, 365 days a year. ■



READY WHEN YOU NEED US

MOLD, FIRE, WATER, BIOHAZARD

RESTORATION SERVICES | RESTORING PEACE OF MIND

780-443-4338

www.servicemasterofedm.ca



WATER



FIRE



STORM

24/7/365

**ServiceMASTER
Restore®**

Viessmann biomass heating technology is a reliable, economical and environmentally responsible option



hen it was built seven years ago, the Bluenose Academy in Lunenburg,

N.S., became the greenest building in Atlantic Canada and the first government building in the province with a fully integrated wood pellet-fired biomass heating system. It is also the first building in Canada featuring a biomass heating system to obtain LEED® Gold certification.

With the Old Town of Lunenburg - a UNESCO World Heritage Site

- in close proximity, the Bluenose Academy design team was tasked with designing a contemporary school building within a heritage context and achieving LEED® Gold certification.

Faced with rising and unpredictable fuel oil costs and with natural gas not available at the site, the design team was charged with integrating innovative renewable energy technologies into the building design. The team ultimately settled on using wood pellets as a fuel source as a more economical and price stable option.

A Viessmann Pyrot KRT-540 wood

pellet-fired biomass boiler (rated at 1843 MBH) was commissioned as the school's primary source of space and DHW heating. In fact, the decision to install this boiler was a major factor that helped Bluenose Academy achieve LEED® Gold certification.

The heating system also includes a Vitorond 200, VD2-560 oil-fired boiler (rated at 1941 MBH) to provide backup and additional capacity during peak loads, as well as six Vitosol 200-F SV2 flat plate solar thermal collectors (Bluenose Academy was the recipient of the Canadian Solar Thermal Project of the Year by the Canadian Solar

THE WORKUN GARRICK PARTNERSHIP
Architecture and Interior Design Inc

1200, 10117 Jasper Avenue, Edmonton, Alberta T5J 1W8
P: 780.428.1575 F: 780.428.0326 W: workungarrick.com

Industries Association (CanSIA) in 2012).

Wood pellets are stored in a 26-ton capacity steel silo and delivered to the boiler by the Pyrot's feed auger. When fuel gasification and combustion are complete, an automated deashing system extracts ashes from the combustion chamber and transfers them to an ash bin.

Today, the Bluenose Academy's heating system is still operating as reliably as it has since day one. Not only has the biomass heating system proved to be reliable, it has also saved the school a significant amount of money on fuel costs. In fact, the school's annual fuel expenditures are approximately half of what they would be if the facility was heated by oil - the most widely used heating fuel in Atlantic Canada. On top of that, having a net zero carbon footprint, the boiler accounts for annual CO₂ savings of 550.5 tons.

The heating system at Bluenose Academy with its biomass boiler at its core, stands as a testament to the reliability, safety and economic viability of modern wood pellet-fired heating technology from Viessmann.

About Viessmann

Viessmann is a leading international manufacturer of top-quality, efficient and environmentally responsible heating solutions. Over the years, Viessmann has pioneered technologies that have continuously set standards and made the company into a technological innovator and pacesetter for the entire industry. ■



Our most powerful gas condensing boiler yet!



VITOCROSSAL 300, CA3

Gas-fired, stainless steel commercial condensing boiler
Rated input: 3500 to 6000 MBH
Thermal efficiency: ≥ 96%

Peace-of-mind

- Multiple burners and heat exchangers provide built-in redundancy and ensure continued operation of the heating system
- Integrated automatic fault notification allows for a timely and proactive response

Cost savings

- Fully-assembled boiler and optimized footprint allow for easy installation, saving time and money
- High efficiency operation and precise matching of heat output to load requirements maximize fuel cost savings
- Durable construction using high-grade materials ensure reduced maintenance and service costs

VIESSMANN
climate of innovation

PREVENTATIVE HVAC MAINTENANCE:

Short-term pain, long-term gain

Increased profits through proper HVAC care and maintenance



Proper commissioning of HVAC equipment and planned maintenance is always a daunting task. It's often seen as expensive and time-consuming when it doesn't have to be that way. Many managers or supervisors may see this as an area of possible cost savings, and when

WHAT WE DO FOR THE MODULAR INDUSTRY...

- HVAC Custom design
- HVAC Custom Fabrication
- HVAC Manufacturing
- HVAC Distribution
- HVAC Controls
- HVAC Service

3904 53 Avenue, NW | Edmonton, AB T6B 3N7
780.643.3215 | info@myqualityhvac.com | www.myqualityhvac.com



www.castertown.com



GLIDES & FLOOR PROTECTION

• *Serving Western Canada since 1977*

• *The right price for the right job*

• *Large local inventory*

CALGARY

Toll Free: 1-800-665-1348

EDMONTON

Toll Free: 1-800-323-9886

VANCOUVER

Toll Free: 1-800-689-1441

Edmonton



Calgary



Vancouver

budgets or timelines get tight it can sometimes be first to get the axe – getting whittled down to the bare minimum, saving a few cents in the short term but leading to much larger bills and costing a whole lot more dollars in the long run.

When you buy a new car, you wouldn't drive it until it breaks down before checking the oil, would you? So why wait for a problem to occur to finally check on your HVAC equipment?

There are three areas where proper commissioning and maintenance can save you money in the long run.

Energy efficiency – A clogged filter or coil will have to run longer and harder to achieve the same results, and many times it may come up short. But it doesn't stop there. Many factors contribute to the efficiency of your HVAC units, such as gas pressure, refrigeration charge, correct electrical voltage and current, fully functional components, controllers and more.

Emergency callouts and service

– This area is especially true in the modular industry when we don't always know where our units are going. Proper testing of HVAC equipment during planned maintenance or commissioning may find small problems before they become big problems. Scheduled maintenance often comes at a much lower rate than an emergency callout. Often problems may be found and addressed while equipment is still covered under warranty.

Equipment longevity – This is especially true in the modular

rental industry. When your HVAC equipment is not properly maintained, it is running longer and harder and leading to earlier failure of components and the unit as a whole.

Time and time again, we have seen the savings of preventative maintenance and commissioning, and the numbers speak for themselves. We urge everyone to take the time to evaluate their

service policies and procedures, whether you are doing this in-house, on a contract or waiting for the worst to happen before making the call. Review your policies on this and the associated expenses and we are sure you will find that doing a little now will save you a lot later. Your clients, your equipment and even your own team will surely thank you. ■

Service & Selection Since 1975

Specialty
Tire & Tube
For all your **Other** tire needs

Casterland

Surrey, BC (604) 543-7744 Edmonton, AB (780) 432-5575
Calgary, AB (403) 243-3553 Winnipeg, MB (204) 783-5500

COMMUNICATION is key

BY CINDY CHAN



ffective communication is something Genesis Integration does not take for granted.

The company was formed in February of 1990 in Edmonton, Alta. Since then it has grown into a national company with offices in seven cities across Canada. While technology for educational institutions is a core focus, Genesis Integration's clients also include those in government, post-secondary, health care, corporate, military and hospitality.

"Genesis Integration offers the most comprehensive range of technology solutions for education clients in Canada," Kevin McKay, national sales manager for Genesis Integration, says. According to McKay, the core of every school's technology is the intercom system that manages communication and scheduling through announcements and the bell system. "The intercom system is typically integrated into



the school's telephone system so pages can be made from anywhere in the school and calls can be made between the school and the outside world. The intercom system is also integrated into a synchronized clock system so that the bells are always in sync with the school clocks and everyone is running on the same schedule."

"Over the last number of years security has become

BETTER Products for a GREENER Environment

ECO-DFG

Strategically located manufacturing sites
decreased fuel consumption during transport

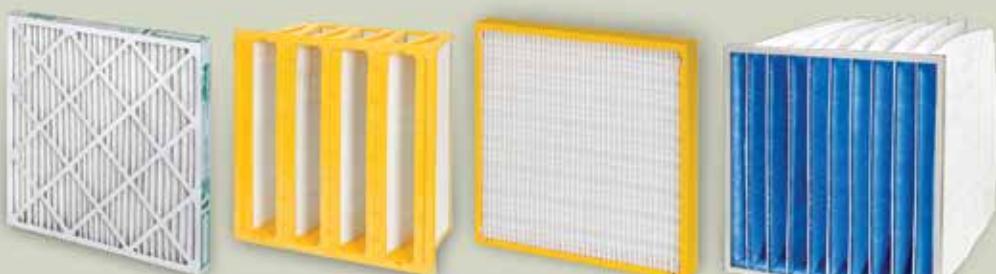
High efficiency
longer filter life

Low pressure drop
less energy consumption

Compact design
less material usage

Unique design
less manufacturing scrap

Compactible/Incinerable
reduced solid waste



Dafco Filtration Group will continue to develop new and innovative products leading the way toward a greener tomorrow.

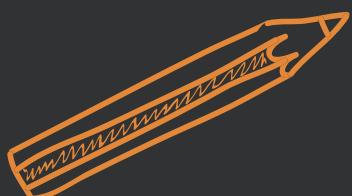
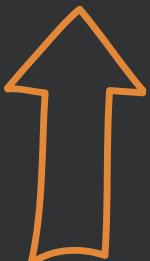


Dafco
Filtration Group

Phone: 1-888-628-3456
www.dafcofiltrationgroup.com



Keep **Students + Staff** informed and engaged with a broad range of **communications Solutions** for your school!



Intercom Systems
LED Video Walls
Digital Signage
Classroom AV Systems
Performance AV Systems
Security Systems
Integrated Furniture Solutions
Data Networks
Synchronized Clocks
Telephone & Voicemail Systems



 **genesis**
integration
your vision • our innovation

Genetec

Genesis is a proud supplier
of Genetec Security Solutions

BOGEN
COMMUNICATIONS, INC.

Genesis is a proud supplier
of Bogen Communications, Inc

www.genint.com

sales@genint.com

800-363-0292



CALGARY

EDMONTON

OTTAWA

TORONTO

WATERLOO

WINDSOR

VANCOUVER

critically important in schools," he says. "Lockdown drills are as common as fire drills and today's schools need a security system that will protect them should an issue arise. Genesis provides an integrated CCTV camera and access control systems for doors to provide an enhanced level of security for schools."

McKay says schools have also taken to utilizing digital signage to help improve communication with staff and students. "Displays are installed in strategic locations throughout the school where information such as school events, clubs, meetings, weather and more can be easily delivered to teachers and students."

From an audiovisual perspective, Genesis has solutions for classrooms such as interactive projectors and flat panels to performance systems for theatres, drama rooms and music rooms to large format LED video walls for gymnasiums and gathering areas. "LED video wall technology is quickly replacing video projectors and scoreboards in a lot of gymnasiums. With superior image quality in high ambient light environments, LED video walls cannot be beat when compared to projection-based technologies and the costs are surprisingly affordable," says McKay.

The Nyquist intercom system is a brand new product from Bogen Communications. Bogen has been a leader in Alberta schools for providing reliable, cost-effective intercom systems for over 25 years and has a current install base of over 350 systems provided by Genesis. Introduced this year, McKay says the Nyquist system is Bogen's first entrance into the IP intercom market, running on a server in the school's data centre and utilizing the building's existing network infrastructure to drive paging speakers and connect call stations and telephones. Starting this fall, Genesis Integration will be presenting demonstrations on this product to school divisions across Alberta. "We are very proud and excited to show this new intercom system to both old clients and new. This is Bogen's first new platform in over 20 years and represents the future of school intercom systems," McKay says.

When asked about the future, McKay states, "Overall, our goal at Genesis is to become a technology partner with school divisions, working collaboratively with them to develop long-term strategies to determine how best to leverage technology and maximize benefits for students and staff within their budgets."

For more information, visit genint.com. ■



BreatheEasy
DUCT CLEANING LTD.

OFFICE
403-614-9012
1-855-260-6155

FAX
1-888-879-5040

Email: breatheeasy2012@gmail.com



NEVCO

**CANADA SALES,
SERVICE & PARTS**
606 B-55 Cedar Pointe Drive
Barrie, Ontario L4N 5R7

P 705.719.9341
800.461.8550
F 705.719.2832

INTEGRATED DISPLAY AND SCORING SOLUTIONS

WWW.NEVCO.COM

**WESTERN GYM & RECREATIONAL
SUPPLIES LTD.**
4960 13th Street S-E
Calgary, Alberta T2G 5M9

P 403.287.0233
780.455.3730
F 403.287.0042



Longbow
sales inc.

- Bleachers
- Basketball Backstops
- Game Posts and Nets
- Scoreboards
- Gym Divider Curtains
- Benches & Bike Racks
- Lecture Room Chairs
- Theatre Chairs



#7, 1435 – 40 Avenue N.E. Calgary, Alberta T2E 8N6
Phone: 403.291.3166 – Fax: 403.291.4774
Email: info@longbowsales.com ~ Website: www.longbowsales.com



LEADING THE WORLD RESTORING YOURS



RESTORATION • ENVIRONMENTAL
HVAC CLEANING • HOME CONSTRUCTION
CABINETRY & MILLWORK • FIRESTOPPING

1-866-366-0493

www.belfor.com

BUCKWOLD WESTERN

SINCE 1925

Johnsonite

Color Infused for Creative Minds
Armstrong makes it easy for you to coordinate your color systems to create inspiring designs.

Armstrong Inspiring Great Spaces®



CROSSVILLE

Buckwold Western Calgary:

Bianca Johnny 403-869-9576
bjohnny@buckwold.com

Annette Klein 403-829-5069
aklein@buckwold.com

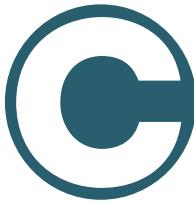
Buckwold Western Edmonton:

Jim Macgregor 780-937-2998
jmacgregor@buckwold.com

Carmen LaRose 780-916-8788
clarose@buckwold.com

www.buckwold.com

Make your schools safer and more efficient for the 21st century



municating clearly across the school grounds for class transitions (bells), paging, intercom

and alerting is a basic element of running a learning institution. Unfortunately, many schools are entrusting these critical functions to limited and outdated technology. Here's the problem:

1. 1960s technology isn't up to

21st-century demands. Many school buildings are still relying on decades-old 70-volt analog technology to communicate with students and teachers. Chances are your bell, paging or intercom system was designed for a different era where zone changes and schedule shifts were rare, and today's threats were unthinkable.

2. One-size-fits-all limitations.

All analog and even some digital communication tools have assumptions about how you'll use them — and then lock you into those restrictions.

3. Dependence on outside

technology. What should be

simple changes (adding a zone, swapping the location of fourth- and sixth-grade classrooms for next year, etc.) often take a costly call to an outside technician to literally rewire your paging or bell system.

4. Too many standalone systems.

Your schools may have one system of amplifiers, wiring and speakers for paging and another for classroom media. Your schools may also have standalone systems for door locks, security cameras, digital signage and email.

5. Wasteful redundancy.

Your LAN cabling probably runs side by side with your analog paging wires. They could easily carry the same information, but, instead, you carry the cost and support structure for both.

6. Managing emergency

communication. Chances are that some areas of your schools have poor intelligibility or paging speakers that are competing with classroom audio, which makes it unclear whether everyone would hear an important announcement.

In some cases, principals need to make live emergency announcements, or worry about external communication before they can take action.

A modern, integrated communications platform should bring together all the communication needs of a school under one system. The system should be flexible, expandable and give power to the school to make necessary changes to the system to suit their evolving needs. And when it comes to school safety and security, administrators are facing issues that demand new awareness, thinking and new tools and technologies to meet those challenges.

The most comprehensive and flexible solution is FrontRow's Conductor platform. Through Conductor, the company's networked classroom AV systems can be linked to hallway speakers, intercom stations, signage and other devices into a single communications grid over the school's LAN. A simple but powerful software interface lets the school staff do daily tasks like paging, bells and using the intercom, as well as emergency response, in a much more manageable way. Those schools across Canada that have discovered the academic benefits of FrontRow's classroom audio technology, can now leverage that investment to address campus-wide communication challenges.

Performance Floors and Walls for Schools and Sports



Tarkett iQ Vinyl Flooring
Tarkett xf2 Linoleum
Altro Safety Flooring
Mondo Sport Rubber
Wall Protection Systems

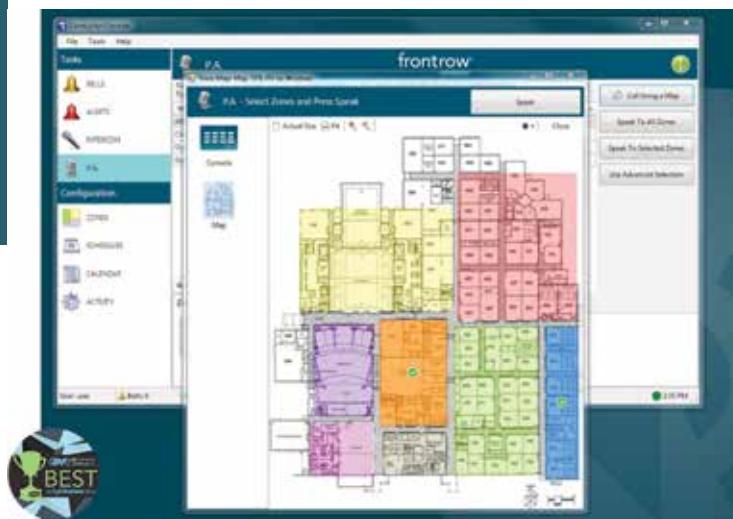


Erv Parent Co. Ltd.

11624-149th St, Edmonton, AB
7519 Flint Rd. S.E., Calgary, AB

Tel: 780-453-3466
Tel: 403-253-3145

www.ervparent.com



St. Jerome's Catholic school in Vermilion, Alta., upgraded their analog PA system with FrontRow Conductor during a modernization to the school in 2016. Sean Whelan, assistant principal and Grade 8 teacher says, "The FrontRow Conductor has allowed our school to have an easy-to-use, technologically advanced intercom system that works seamlessly with our classroom audio systems." He adds, "The tech support and customer service from FrontRow has been second to none."

With a conventional bell system, Whittier City School District in California dreaded the arrival of daylight saving time. Assistant

superintendent Jon McNeil of Whittier City School District says, "changing our bell system was very difficult. Over the weekend, we had to have men come in and go school to school and make the changes." Since implementing FrontRow Conductor, however, "we've got tremendous flexibility. The principal or secretary can make changes easily and operate it very quickly and intuitively."

McNeil notes that Conductor is efficient in space as well as function, since the "head-end" is simply one server and a PC for the office manager. "It's a big deal for us," he says. "The old system [was] an enormous box that's seven feet

tall...and now we're able to blow out these offices and enlarge them whereas before we could not move those units."

Schools that have chosen modern, scalable and networkable communication solutions are reducing costs, saving effort and achieving more. FrontRow Conductor is available through qualified resellers across Canada, and supported by the manufacturer's own team from Mississauga, Ont. For more information on modernizing your school's classroom and campus communication, visit www.gofrontrow.com or call (800) 340-9894. ■

A safer, more efficient school

Connect classrooms, hallways, offices, and other areas into a single communications grid over your LAN. FrontRow lets you do daily tasks like paging, bells, and using the intercom, as well as emergency response, in a much more manageable way.

- **More adaptable.** Totally customizable to each school's needs, processes, and preferences.
- **Be self-sufficient.** Lets you and your staff create, access, and modify your communication without the need for outside consultants and techs.
- **No more siloed systems.** With FrontRow's one platform, you can handle bells, paging, intercom, control, mass notification, handshakes with building controls and life safety systems, and more.
- **Eliminate redundancy.** No need for separate wiring, amplifiers, speakers, bell tones, intercom phones, support contracts, and learning curves.
- **Go beyond the limits of your analog PA.** With one-button click, staff can activate daily or emergency announcements, display information on digital signage, lock doors, send private alerts, and more. If you can imagine it, you can probably do it with FrontRow.



To find out more visit
www.gofrontrow.com

or call

1-800-340-9894 ex. 5373

frontrow™
your school. connected.

Helical (screw) pile foundations



Inland Screw Piling Ltd. has been engineering, manufacturing and installing helical piles since 2007. We provide in-house fabrication out of

a dedicated CWB-certified manufacturing shop located in Coaldale, Alta. An on-site high definition CNC plasma table is used to cut helices and a customized hydraulic press with matching metal dies is used to press form the helices into "true-pitch" helices that set us apart from the competition. Our shop is also equipped to process and fabricate miscellaneous ancillary structural steel as required for projects.

Screw piles have been used extensively in the oil and gas sectors for decades. They are now also commonly used in the residential, commercial, institutional and industrial marketplaces. There are many advantages to helical piling. There is no excavation required and the load-bearing capabilities are immediate. In areas with high water tables or sand/gravel soil layers, there is no need for casing. They are also quiet to install compared to other piling methods and can be installed in any weather condition with minimal additional equipment and cost. They offer instant solutions to many varying soil conditions.

Ensuring the helices are formed into a "true-pitch" shape is the most critical aspect of a helical pile. During fabrication, the helix flange must start perpendicular (at 90 degrees) to the pile shaft and remain so around the entire surface of the helix. Providing a "true-pitch" helix is vital to ensure the pile screws into the load bearing strata as intended by displacing soil instead of simply disturbing it and auguring or grinding

its way down into the ground. Piles fabricated with "true-pitch" helixes provided certainty that the pile will perform as engineered because it eliminates potential voids above or below the helix that would potentially introduce moisture build up or settlement.

Inland provides project specific engineer stamped drawings that come with recommended minimum installation torque values to verify soil conditions are as anticipated. If these minimum values cannot be obtained during installation, extensions can be quickly added as needed to ensure the pile is situated in a soil layer capable of resisting the required loads. The torque readings obtained during installation are monitored with calibrated digital load cells to ensure quality control during installation and at the end of each job these torques are reviewed by an engineer.

Inland Screw Piling was recently contracted to provide the helical pile foundation for the Pathway 7 Stairs project in Lethbridge, Alta. Our scope was to provide and install the piles needed to support three new flights of stairs as part of a new pathway down to the River Valley behind Heritage Heights on the west side. Due to the majority of the working area being a steep coulee slope, this required a unique approach to both bringing our installation equipment down the slope and installing the piles. While maintaining strict attention to safety and engineering requirements, Inland was able to install the required 62 piles on the slope of the coulee with minimal disturbance to the existing landscape. We are proud to have been a part of this highly successful project that is enjoyed daily by Lethbridge residents. ■

COMMERCIAL RESIDENTIAL POWER UTILITY MODULAR SCHOOLS OIL&GAS



inland
screw piling

**Engineering,
Fabrication,
and Installation
of Screw Piles.**

Contact us:
Ph.403.345.6781
www.inlandscrewpiling.com

Winter installation - no hoarding
Quiet - no vibration
Temporary or permanent use
Fast install + no curing time

Proven Engineering
CSA W59 welds
ASTM A252 grade 2 or 3 pipe
CSA 44W steel plate
Bare or Hot Dipped Galvanized



Inland true pitch fliting



AGRICULTURAL INDUSTRIAL INSTITUTIONAL COMMUNICATION TOWERS



Ph: 204.757.4534
Fx: 204.757.4618

GYMNASIUM EQUIPMENT

INDOOR & OUTDOOR SPECTATOR SEATING

SCOREBOARDS



FOR OVER 50 YEARS

we have been Canada's oldest and most trusted sports contractor. When your equipment is built by Royal Stewart Ltd., it is built to last!



www.royalstewart.com

CONSULTANTS SUPPLIERS INSTALLERS MANUFACTURERS

240 IXL Crescent
(St. Clements Industrial Park)
Lockport, Manitoba

Mailing Address:
Box 2, Grp. 329 RR#3
Selkirk, MB R1A 2A8



B.G.E. SERVICE & SUPPLY LTD.

AAF | Flanders®

Commercial
Industrial
Healthcare
Education
Government
Residential

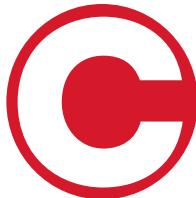
Edmonton 780-436-6960
Calgary 403-243-5941
Fort McMurray 780-743-2998
www.TheFilterShop.com



CLEAN AIR EVERYWHERE 

Manufacturing & Distribution of HVAC Filtration Products Across Western Canada

FOR THE of sports



entaur Products Inc. is committed to inspiring a love for sports through transforming sporting venues across Canada into the high-quality facilities that both athletes and spectators can enjoy. They have become

Canada's leading sports contracting company, providing cutting-edge sports surfaces, spectator seating, scoreboards, electronic message displays and sports equipment to schools, arenas and recreational facilities across the country.

They specialize in all types of sport facility construction that range from major university projects such as the Saville Community Sports Centre at the University of Alberta and the University of Calgary's Jack Simpson Gymnasium, to professional sporting venues including Rogers Place and BC Place, as well



Contact one of our Sport Contracting Specialists to learn about:

CENTAUR'S FULL GYMNASIUM PACKAGE



CENTAUR
PRODUCTS INC.

SPORT CONTRACTING

ARTIFICIAL TURF • HARDWOOD GYMNASIUM FLOORING • SYNTHETIC SPORTS FLOORING •
ATHLETIC TRACKS • SPECTATOR SEATING • SCOREBOARD AND VIDEO DISPLAYS • MESSAGE
DISPLAYS • GYMNASIUM EQUIPMENT • RUBBER FITNESS ROOM FLOORING

WWW.CENTAURPRODUCTS.COM
1 888 430 3300

as recreation centres such as the Medicine Hat Family Leisure Centre and the Talisman Centre, among others. However, Centaur is focused on building and servicing gymnasiums and sport equipment needs for the school market.

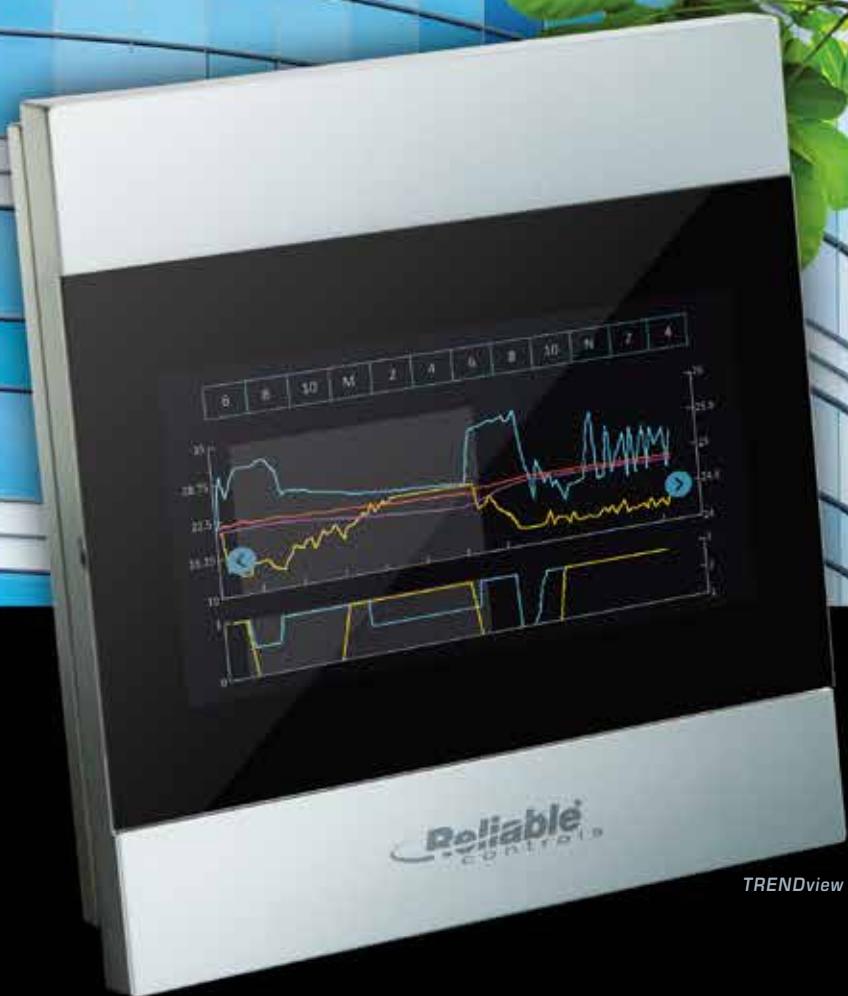
They have completed more than 200 projects in the province of Alberta alone, including the construction of gymnasium flooring and equipment for hundreds of Alberta schools. Centaur's core philosophy is to provide quality workmanship, share its extensive industry expertise and, above all, offer the most attentive, understanding and accommodating client service possible.

Their method is to guide their clients all the way through the design process, from the initial consultation, to designing a solution and picking products that fits those needs, and executing the project to the highest standard in the industry. The budgeting process allows you to understand what your facility specifically needs and how much it will cost. Centaur's design and build services include managing the entire processes from planning the facility to project completion, including service and maintenance programs. Centaur products also provide performance and quality testing and training so that clients understand how to evaluate their own performance. They also have a variety of servicing and maintenance options for flooring and sports equipment.

Centaur Products Inc. has a wide range of products. They specialize in the installation of artificial turf and track systems, synthetic sports flooring solutions, hardwood and vinyl gymnasium and dance floor and rubber fitness room flooring. They also supply a wide range of sports and gymnasium safety equipment such as basketball equipment, volleyball and badminton posts and nets, soccer and football goals, safety anchors and straps, gym divider curtains, spectator seating, scoreboards, audio systems and video display systems. This includes renovation services such as floor refinishing, synthetic resurfacing, games lines painting, logos and graphics, preventative maintenance and equipment inspection. ■

MACH-ProView™ LCD

NOW with TRENDview



Better by design™

Reliable Controls unveils the new MACH-ProView™ LCD with TRENDview. This freely programmable, combination BACnet® Building Controller (B-BC) and BACnet Operator Display (B-OD) resides on Ethernet, Power over Ethernet, Wi-Fi or EIA-485 networks. Backed by an industry-recognized 5 year warranty and a nation-wide network of certified Authorized Dealers, the new MACH-ProView will empower you to stay in touch with your building's performance.



Member of
BACnet International



www.reliablecontrols.com/MPV

Reliable
controls



QUALITY HVAC
PRODUCTS LTD.

WHEN QUALITY
COUNTS, YOU CAN
COUNT ON US!

WHO WE ARE....

Quality HVAC is a company built around your HVAC needs. As your trusted HVAC partner throughout the complete Modular HVAC process life cycle, our dedicated solution experts will provide you with the most efficient system at the best price! Our service and maintenance experts will protect your investment!

WHAT WE DO FOR THE MODULAR INDUSTRY...

- HVAC Custom design
- HVAC Custom Fabrication
- HVAC Manufacturing
- HVAC Distribution
- HVAC Controls
- HVAC Service



www.myqualityhvac.com

(780) 643-3215 | 3904-53 Avenue NW Edmonton AB | T6B 3N7