



THE MANITOBA TECHNOLOGIST

ISSUE 1 2022

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Manitoba Professional Planners Institute

Member employer feature

Titan Environmental Containment

Plus!

RRC Polytech endowments

Your gift makes a difference

Meeting the challenge —

Competency exams

PRESIDENT'S MESSAGE

Staying relevant



Learn about

Titan's Operations Manager, Lucky Montierro, C.E.T.





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Cover photo:
Titan Environmental
Containment's
Operations Manager,
Lucky Montierro,
C.E.T.

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Students learning extends beyond the classroom



Shown in the middle is Titan Environmental Containment's Operations Manager, Lucky Montierro, C.E.T.



Titan Environmental Containment is this issue's member featured employer. Titan has locations in Canada and in the U.S., with an extensive team of highly-trained staff. They supply, install, and even fabricate sophisticated geosynthetics and civil construction products used in projects across North America and abroad.





With change comes challenges

Staying relevant

By staying in tune with our members’ needs we can adapt to changing environments and remain as an organization firmly established within the industry.

As we enter 2022, Covid restrictions continue, with reduced capacity limits for all indoor and outdoor public gatherings, suggested social distancing, and with many organizations are still choosing to offer work from home options, one cannot help but reflect on what we have been through last year and wonder where we are going this year?

Looking back

As I look back on 2021 and my involvement with the Certified Technicians and Technologists Association of Manitoba, I notice that our organization at large, has never been more relevant and important to those of us practicing in Manitoba and across Canada and the world.

I have always considered CTTAM to be a large, multi-disciplined, team of experienced professionals. A team that provides an abundance of opportunities to support, inspire, teach, mentor, and share a wealth of knowledge and experience among its members. By working together, it enables us to create, advocate, and give back to our communities, as well as meet, network, and socialize with friends and colleagues not just in our own province but all over Canada and the world. It is for these reasons why I am very proud to be a member of CTTAM.

Over the last couple of years, there have been many changes occurring in the world around us. Whether these changes

were social, political, economic, scientific and technological or otherwise, they have profoundly affected the ways we live our lives, engage with our families, complete our work and support our communities. The changes throughout the world have increased the complexity of how work is performed, how businesses are run, and how we interact with each other.

New opportunities

However, with change comes new challenges and opportunities. As professionals, it is our responsibility to be resilient and adaptable, and to create and support the responses and solutions to overcome the challenges and seize the opportunities that arise before us.

I am proud of CTTAM’s successes over the last year, particularly in continuing to serve its members during the pandemic. Thank you to all members for your continued participation and enthusiasm in our professional community.

A special thank you to the hard working and dedicated members serving on our committees and Board of Directors.

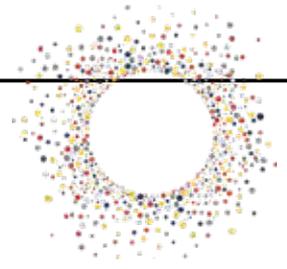
Finally, on behalf of all members, I’d like to recognize the tireless efforts of the CTTAM staff for all the resources, guidance and support they provide each and every day. Your work is much appreciated, thank you all!

Wishing you all a very good and successful 2022.

Ted Protosavage
C.E.T., MiM, P.Eng.,
CTTAM President

Our President

Ted Protosavage is a certified Civil Engineering Technologist and a registered Professional Engineer in the Province of Manitoba. He has Diplomas in Business Administration and Municipal Engineering Technology from Red River College. He also holds a Bachelor of Science in Civil Engineering from the University of Manitoba and a Masters in Management with a specialization in Technology, Innovation and Operations Management from the University of Winnipeg. Ted’s experience evolves from a variety of construction and engineering work. Throughout his career he has held positions in both the public and private sectors in various disciplines of engineering that include infrastructure, transportation, structural, and environmental.



One thing is certain, our world has changed

After working through two plus years of an unprecedented pandemic we continue to strategically plan for and support our members all within a different work frame.

The environments that we work in may have changed but here at CTTAM we have always focused on how to safely and efficiently provide our members with the tools and resources to grow their careers and profession.

Webinar offered

CTTAM has scheduled a webinar held by the National Centre for Truth and Reconciliation (NCTR) to provide an opportunity for our members to become educated to the Truth and Reconciliation Commission (TRC) calls to action.

These calls to action help to address the ongoing impact of residential schools on survivors and their families.

The webinar which qualifies for your Continuous Professional Development (CPD) credits is offered online on Thursday, March 17 at 6:30 pm.

More information on the NCTR and the TRC calls to action can be found on their [website](#).

Retiree benefits program

The Alberta Retired Teachers' Association (ARTA) open enrollment concluded with CTTAM retired members taking advantage of the retirees extended health, dental and travel benefits.

ARTA will be offering later in 2022 an extended health, dental and travel for members who are currently working without coverage. CTTAM members who are employers will be able to offer group benefits to their employees. Updates will be provided when we receive them.

Digital signatures

In December 2021, 80 CTTAM members registered for a webinar which introduced the legal

requirements for electronic document authentication.

CTTAM has partnered with Technology Professionals Canada and its constituent members to offer a 90-day promotion to train and educate our members on using digital signatures.

The promotion is scheduled to start March 1 and is being offered by [Notarius](#). Notarius, a Canadian company is recognized as a leading expert in electronic signatures, digital signatures and the long-term reliability of electronic documents with over 25 years of experience. Details will follow on how to participate.

Advantages of digital signatures

- Document versions are preserved after each signing;
- Documents can be encrypted to restrict access to their contents and
- There may be no need to print and store physical versions of electronic documents

Community support

CTTAM continues to provide support to Red River College Polytech (RRC Polytech), Assiniboine Community College and University College of the North by providing student assistance in the form of scholarships and bursaries.

We also have established an ongoing endowment fund with RRC Polytechnic. Any members wishing to contribute to the endowment fund can contact the CTTAM staff. RRC Polytech will provide tax receipts for all contributions to the endowment fund.

Thank you to all of our contributors!

Robert Okabe

C.E.T., FEC (Hon.), IntET (Canada)
CTTAM CEO and Registrar



Robert (Bob) Okabe, C.E.T., FEC (Hon.), IntET (Canada), has been our CEO and Registrar since July 2015. He has a Civil Engineering

Technology Diploma from Red River College Polytech.

Bob has served as Association President,

Panel of Examiners Committee Member, CCTT Director and past Chair and Program Reviewer for CTAB.



CTTAM *certified*

Technicians

Daniel Arthur Maindonald, C. Tech. Shaw Communications Inc.
David Firth, C. Tech. City of Winnipeg
Joel Apuli Chua, C. Tech. GN Systems
Kent Poirier, C. Tech. City of Winnipeg

Manuel San Jose Roxas, C. Tech. Micro Tool and Machine Ltd.
Oscar Pecson, C.Tech. Antex Western Ltd.
Victor Ugwa, C. Tech. Ampjack Industries Ltd.

Technologists

Adedayo Adeyinka, C.E.T. Westline Sales
Calvin Bruneau, C.E.T. Canadian Nuclear Labs
Casey Pineda, C.E.T. MCW Consultants Ltd.
Chris William Schaubroeck, C.E.T. Morrison Hershfield
Daniel Hamilton, C.E.T. Wood Environment and Infrastructure Solutions
Daniel LaRochelle, C.E.T. Manitoba Hydro
Daniel Tran, C.E.T. Sigfusson Northern
Dennis Barends, C.E.T. MCW Consultants Ltd.
Derek Poole, C.E.T. Town of Swan River

Gurvur Singh Bajwa, C.E.T. Linde
Joel Caniete Gutierrez, C.E.T. The Winning Combination Inc.
Joseph Todd Engbrecht, C.E.T. Hatch Ltd.
Melissa Perreault, C.E.T. DND-Department of Defence
Olaseni Ashaye, C.E.T. Superb Construction Group
Stephan Braden Da Silva, C.E.T. Bockstael Construction Ltd.
Steven Bruno Wiebe, C.E.T. City of Winnipeg

What it means to be certified



Being certified through CTTAM permits our members to use one of two titles, Certified Technician or Certified Engineering Technologist. It also allows the use of the designations C. Tech. or C.E.T., depending on the type of certification. Earning a professional designation strengthens your knowledge base and distinguishes you from your peers.

These designations are recognized by industry and employers and indicate that you are a member of a professional association. Certified members may also vote in the association's elections, hold office and participate on one of CTTAM's many committees. There are also many discounts on different services available to our members along with access to the CTEN job bank at www.cten.ca.

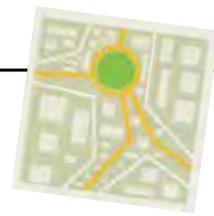
Congratulations to our new members!

Our strategic partners

Building on our strategic connections

Having strategic partnerships provides CTTAM and its associates with mutual opportunities to build brand loyalties with our members, along with increased opportunities to attract and retain highly-skilled technicians and technologists.





Strategic partner feature

Manitoba Professional Planners Institute

In a strategic partnership the partners remain independent; share in the benefits from the association and make ongoing contributions in strategic areas. In this issue we are showcasing a strategic partner, MPPI. Founded in 1988, MPPI is the Manitoba affiliate of the Canadian Institute of Planners and represents over 150 planning professionals and students across Manitoba.

About MPPI

The Manitoba Professional Planners Institute (MPPI) represents Manitoba's professional planning community.

MPPI is responsible for handling membership applications and services, and is also responsible for the enforcement of the Code of Professional Conduct.

MPPI sponsors workshops and seminars for the purpose of informing members of relevant developments and issues in the planning field and to provide networking and information sharing opportunities.

The Association also emphasizes liaison with planning students, particularly those enrolled in the University of Manitoba's Department of City Planning. They also oversee the periodic review of this program in context of national membership standards and requirements.

Working on behalf of our members and the planning profession, MPPI endeavors to:

- maintain national standards for city and land use planning;
- influence legislation, policies and decisions affecting planning and planners;
- create a positive image and develop a strong profile for planning;
- expand knowledge in the field of planning and
- advance planning education and liaise with planning faculty and students.

MPPI is the Manitoba affiliate of the Canadian Institute of Planners (CIP). CIP's mission is "To advance and raise the profile of Canadian professional planning, for our members in Canada and abroad, through leadership, advocacy, expertise and education."

To learn more about planning from a national perspective, visit the CIP [website](#).

A few words about the MPPI logo

Planners undertake complex assignments working in varied capacities for any number of organizations. It is a difficult profession to define. With a clean and simple look, the logo for the Manitoba Professional Planners Institute cuts through this confusion and underscores the essence of planning.

There are two key messages.

Firstly, planning is goal oriented. The arrow pointing to a target conveys the message that planning provides direction; it identifies a desired end and establishes a means to achieve that end.



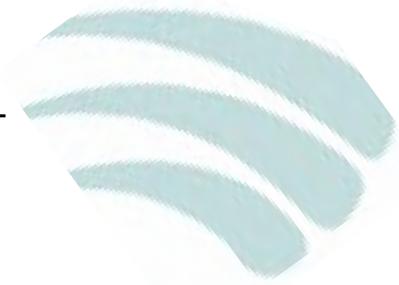
Secondly, planning is founded in process. Moving from left to right the logo becomes more opaque. This symbolizes the fleshing out of concepts over time; the building of ideas that occurs through participatory processes.



Learn more about MPPI on their [website](#).

Contact information
 Geoff Powell—Executive Director
info@mppi.mb.ca
 1-888-626-3036

Manitoba Professional Planners Institute
 Suite 503—386 Broadway, Winnipeg, MB R3C 3R6



Meet the challenge

Steps in writing the C.E.T. competency exam

From applying to testing, to passing and becoming certified. Find out what is involved in the certification process.

Opportunity for C. Techs

Our challenge exam is an opportunity for CTTAM C.Tech. members to earn their C.E.T. certification through writing a competency exam.

The competency exams are designed to test the entry-level skill and knowledge of engineering and applied science technologists who have:

1. Graduated from a technologist-level program that is not accredited by Technology Accreditation Canada and are applying for C.E.T.; or
2. Completed a technician-level program of study in engineering or applied science technology and are seeking reclassification from a C.Tech. to a C.E.T.

Steps to accreditation

By writing and passing a competency exam, the member would be able to reclass from a C.Tech. to a C.E.T. providing that their work experience is validated at the technologist level by three references one of which must be their immediate supervisor. They must submit a reclass application through the Technology Registrations Canada website and pertinent information and documents must be provided. There is also a \$55 reclass fee.

CTTAM has partnered with the Association of Science and Engineering Technology Professionals of Alberta (ASET) to make the competency exams available for our members.

There are currently nine competency exams available:

1. Civil;
2. Construction Technologist Certification;
3. Electrical;
4. Electronics;
5. Engineering Design & Drafting Technology;
6. Fundamentals of Technology;
7. Instrumentation;
8. Mechanical and
9. Petroleum

There are certification exam handbooks available that contain complete information about the exam including:

- Exam Content
- Study Materials and Practice Exams
- Exam Time and Location
- Calculator Policy
- Rescheduling/Rewriting Policy
- Exam Results
- Special Accommodation Requests



Practice exams are hosted by a third-party educational partner. If you choose to purchase the group of three practice exams, you will receive the same exam three times which will enable you to know what areas of knowledge that you are weak in.

Because of the current Covid restrictions, all competency exams will be written virtually. Applicants will need to have computer equipment that meets the requirements for writing the exam virtually.

Passing grades are not set at 50% but at pre-determined passing grades for the various competency exams.

How to register

More information on competency exams can be found on our [website](#).

If more information about the competency exams or to register for the next exam session, please contact Cathy Penner, Registration Services Coordinator, at cpenner@cttam.com or at 204-784-1082.

Prove credibility and proficiency

2022 Exam schedule

Exam date	Registration deadline
April 25	March 23
July 20	June 16
October 19	September 15

Please note that dates are subject to change. Updates will be provided on our [website](#).

Your gift makes a difference RRC Polytech endowment program

Working together to invest in brighter futures for students.

A way to give

At Red River College Polytechnic (RRC Polytech), there are various ways to give by investing in the College community.

There are many ways you can customize your gift to create your own impact, legacy and story. All avenues for giving strive to support students as we work together to invest in brighter futures for our graduates.



An endowment is one of the ways that CTTAM supports RRC Polytech students.

Endowments

RRC Polytech endowments are gifts of cash where the College invests the entire donation. Only the interest is used to fund initiatives for the purpose established at the time the fund was initiated; anyone can add to the endowment fund at any time.

Endowed gifts are ideal vehicles through which to make a gift today that has long-term impact on the College and their students.

You receive a receipt for the full amount of your gift today, giving you immediate tax savings.



Photo courtesy of Red River College Polytech.



The value of your membership

CTTAM is a professional regulatory body, serving its technicians and technologist members in Manitoba. Our primary purpose is the certification and regulation of our members. Membership in CTTAM provides our member professionals with the additional information and resources they need in order to not only excel in today's competitive working environments, but to grow their professional network and to prosper in their careers.

What is covered by my membership dues?

CTTAM has a national affiliation with Technology Professional Canada as well with Technology Accreditation Canada, resulting in payment of annual dues based on the number of our active members. Inflation also affects our costs and in the last few years and we have lost some of our members due to retirement.

There are costs associated with our strategic plan that covers the following:

Development and implementation of Continuing Personal Development (CPD) — CPD has been mandatory for our members since 2021.

Member communications — This involves contracted services for social media and marketing.

Networking events — Within the current health guidelines we hope to offer networking events for new members as well as student information sessions at Red River College Polytech.

Training opportunities for members have been offered via webinars or online for little or no cost. We currently offer a non-practicing rate to those members that are unemployed or on leave from work. Members who have retired and have been an active member for 30 years or more qualify for "Retired Life Member" status with no annual fees or dues.

It is important to retain these members with their experience and knowledge as they add value to the association.

Scholarships are also offered for members' children who are enrolled in studies that lead to a technician or technologist diploma in a recognized program of study in engineering technology or applied science technology.

If you have questions or require further information, please contact Robert Okabe, CEO and Registrar, at registrar@cttam.com.



March 31 is the last day to pay membership dues.

Retiring?

Your membership matters

If you are a retired CTTAM member and have over 30 years of active membership, you may be eligible for our Retired Life Membership

Retired Life Member

A long-term member, who has retired and ceased to practice or work in their professional field and has maintained a CTTAM membership for a minimum of 30 thirty years may apply for Retired Life Member status.

Once approved this membership will be for life. There are also no fees or dues charged to a member who has achieved this status.

Having strong CTTAM membership numbers, and being able to include retired members, provides us with a stronger voice when interacting with the Province of Manitoba.

We will gladly assist in changing your status to Retired Life Member. Just [contact us](#) and we will walk you through the process.

Retired Life Members remain active with CTTAM without having to pay any annual fees or dues.



CTTAM Board of Directors

Over the past 57 years, the CTTAM Board of Directors has supported the recognition of engineering technologists and technicians for their important role in engineering technology and applied sciences. We oversee this organization whose primary purpose is the certification and regulation of our members.

President

Ted Protosavage, C.E.T., MiM, P.Eng.
president@cttam.com

President Elect

Josée Rémillard, C.E.T.
pres-elect@cttam.com

Past President

Andrew Procca, B.Tech., C.E.T., PMP

Board Intern

Michelle Ewashko

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Chad Erickson, C.E.T.
Mariclaire Monton, C.E.T.
Shannon Nordal, C.E.T.
Bernardo Pasco, C.E.T.
Dana Shewchuk, C.E.T.
Elaine Vegh, C.E.T.
Harvey Kaita, Member-at-Large



New digital signature service launch

Members will be able to digitally authenticate their own electronic documents

On March 1, members will be able to produce personal, legally-reliable, digital documents by using a digital signature service.

A digital signature is like a digital passport. It certifies your identity. It should not be confused with an electronic impression (scanned image) of a wet stamp.

We have chosen Notarius as a digital signature provider. Notarius has also been selected by ASTTBC, ASET, OACETT, OTPQ, NBSCETT, TechPEI, TPS and AETTNL and by more than

50 professional associations across Canada in 16 different professional fields.

More information can be found on the [Notarius website](#).

You can also learn more by registering for [Notarius' digital signature webinar](#) which is being offered on Thursday, March 10, 2022 at 11 am CST.





TITAN
ENVIRONMENTAL CONTAINMENT

Lucky Montierro

MEMBER PROFILE

He is employed at Titan Environmental Containment

Lucky Montierro, C.E.T., is a 10-year CTTAM member

Your job title and employer?

I'm an Operations Manager at Titan Environmental Containment Ltd.



Where were you born?

I was born and grew up in Winnipeg.

Where did you graduate from?

I completed the Civil Engineering Technology Program at Southern Alberta Institute of Technology.

I followed up with a Masters Certificate in Project Management through the Professional, Applied and Continuing Education program at the University of Winnipeg.

Who was your first employer after graduation? What was your position?

My first employer after graduation was E.F. Moon Construction. I worked as a surveyor/estimator.

What were your high school interests?

I liked all the math and the sciences. I also played basketball.

How did you get into your line of work?

I met one of the Titan owners and one of the company's crews on a Northern Manitoba jobsite.

The work Titan was doing was very intriguing to me. What they were doing

was helping solve several environmental and sustainability issues. I was very impressed.

I knew that that I definitely wanted to be a part of Titan's culture and cause.

Did you have a person and/or mentor in your life that influenced your education and career choice?

I was influenced in my career choices by my parents.

My parents came from a third-world country where clean water supply and environmental sustainability are major problems.

What are your job responsibilities and duties?

As Titan's Operations Manager some of my tasks include:

- Managing the project management team;
- Finding efficiencies (for example in technology, equipment) in day-to-day activities;
- Tracking construction productivity and relaying project close-out information back to our sales teams;
- Scheduling and overseeing all projects and related issues;

Lucky Montierro, C.E.T., is in the middle.



In quotes

"At Titan we like to look at tasks and/or issues from different perspectives."

"We're always dealing with new challenges, and we like finding new efficiencies or solutions we never thought of before."



Lucky Montierro, C.E.T.

- Departmental planning and process improvement and;
- Controlling departmental resources to ensure budgets, schedule, safety and quality are met.

Member **EMPLOYER FEATURE—Titan Environmental Containment**



Titan Environmental Containment is a North American leader in the supply, installation and fabrication of high-quality geosynthetics and specialty civil engineering construction products that help manage the environment and prolong the life of critical infrastructure. They offer a range of innovative, low-impact and cost-effective solutions designed to protect soil, water, and air and reduce carbon footprint.



Upping the Geosynthetics Game
 JAN 2022 | TITAN ENVIRONMENTAL CONTAINMENT
 Written by Matthew Bradford* (Media Edge)
 *Adapted and republished with permission

It's been 15 years since Brett Burkard and several of his colleagues launched Titan Environmental Containment from a residential garage in Winnipeg. What started with four friends and a truck has become a Canada-wide supplier and installer of high-quality geosynthetics, containment systems, and specialty civil engineering products for clients of every stripe.

Now, months after establishing its newest corporate location in Burlington, Ontario the geosynthetics and civil construction product specialist has stamped its mark on roads, mines, municipal landfills and wastewater lagoons, and other civil infrastructure projects across the country.

"Our Eastern expansion has certainly been an exciting step for us," says Brett Burkard, Titan's CEO and co-founder. "The decision to shift from a satellite office in Ontario to a boots-on-the-ground, full-service location was made to strengthen our relationships in the region, and better serve our existing clients in Ontario and Eastern Canada as a whole."

Building on a legacy

The Titan team has come a long way since opening a garage on the outskirts of Winnipeg. In the beginning, the focus was on geomembrane liner installations for hog lagoons.



"Back when we started, we were all prairie boys with the same philosophies when it came to customer service," Burkard recalls. "We believed that when we said we'll do something, we honour that. We don't cut corners

or charge for extras to get the job done. The place we were all working at the time didn't exactly have that same philosophy, so we decided to branch out on our own."

In 2009, the company outgrew its humble original garage headquarters and moved into a four-acre commercial lot with an 8,000 square foot building in Ile des Chenes, located 10 minutes just south of the Perimeter. From here, the company expanded its team, products, and services to serve other markets such as civil construction, oil and gas, mining, water and wastewater and hydroelectric.

Titan's momentum continued to build. Over the following decade, the company opened its doors to Saskatchewan clients after setting up shop in the Great Plains Industrial Park, just outside Regina. It also established a presence in Alberta and Houston, Texas and became the exclusive Canadian distributor for Concrete Canvas®, also known as concrete on a roll, a UK-based product that was a first in Canada.

There has been no shortage of memorable projects for Titan along the way. The team has undertaken numerous high-profile jobs, such as installing portable water storage tanks for the US military, lining a 435,000 sq. ft. slime pond at Saskatchewan's Cigar Lake, and supplying materials to high-profile projects like the Regina Bypass.

"It's hard to pick any one project that makes us proudest, but I would say one of the biggest projects we ever did was the Farley nickel mine rehabilitation site in Lynn Lake, Manitoba," Burkard says. "That was a massive project worth a lot of money that took place over multiple years in Manitoba's pristine north."

Continued on page 13.



Continued from page 12.

"It was a game-changer for us," he adds.

Titan's project portfolio is a source of pride, but it's the team that truly defines its success. Today, the company is home to over 100 professionals spread throughout its locations.



"We started with a specific customer-service philosophy and we've been lucky to grow a team of people who are all like-minded," says Burkard. "It doesn't matter if they're in Saskatchewan

or Manitoba, or whether they're in the field or back-office, everyone in the company has a positive, 'get 'er done' attitude that helps us compete with the big-name competition."

Solidifying a reputation

Surely, Titan has spent years establishing a reputation as a trusted supplier and installer of high-quality geo synthetics and specialty civil engineering construction products, both within Manitoba and across North America.

Titan's Operations Manager, Lucky Montierro, notes, "I would attribute our solid reputation in the industry to the years of "boots-on-the-ground" experience we bring to all stages of a project: "We're fortunate to have a wealth of experience on our team, and that enables us to make product and design suggestions at the early phases which can be cost-effective solutions that work for the engineers and end-users."

"We like to approach everything from different perspectives," he adds. "We're always dealing with new challenges, and we like finding new efficiencies or solutions we never thought of before."

Recent years have seen Titan contribute to several other high-profile projects outside of Manitoba, including a lining project



at a new waste management facility in Port Hope where they installed over 900,000m² of HDPE geomembrane, geotextile and geosynthetic clay liner (GCL) to three radioactive waste cells.

"That project demanded rigorous quality control (QC)," explains Montierro. "We'd gone through that level of QC before, so we were able to come in with a conductive liner that ensured a watertight lining system."

Elsewhere, Titan also brought its expertise to bear for a lining system for a new landfill cell in Hanover, where it installed

60mil HDPE geomembrane, 16oz nonwoven geotextile cushion layer, and 10oz nonwoven geotextile separation layer.

"After completing lining for the first phase of this project for the Town of Hanover, we were trusted to come back and continue the job," recalls Montierro. "Thanks to the materials we used and our crews, we were able to complete this project 25 percent faster than expected and the client remained pleased with Titan's speed of installation and quality of work."

Titan's speed, quality, and professionalism have also given its crews an edge on numerous mining and pond lining initiatives. In 2020, the Ontario crew laid down a record-breaking 9,347 m² of Bituminous geomembrane (BGM) for a dam raise lining project in Northern Ontario in just one day, all while beholden to stringent quality control and safety audits.



"BGM is not a conventional geomembrane and requires specialized installation techniques for efficient execution," says Montierro. "Before Titan became involved in this project, it was progressing extremely slow due to the original installer's lack of experience with the product. The contractor was experiencing a lot of standby time causing delays in the project schedule. When Titan was asked to step-in, production rates increased dramatically ensuring that the job got done right and on time. In the end, the contractor saw the value of working with Titan on future liner installation projects."

These highlights only scrape the surface of Titan Environmental Containment's work. And whether the task at hand calls for asphalt reinforcement or soil stabilization, erosion and sediment control, or specialty geomembranes, Montierro and the team have built a reputation for working with clients to find the material that fits and installing it to the highest standards.

"We've had a lot of great feedback from all of our clients," he adds. "In a lot of cases, we've been brought in to help get existing jobs past the finish line or bring more expertise to the site. Once people know how fast and efficient our workers are, and the depth of knowledge they can bring, we usually become the team they call on first the next time around."

Titan has become a trusted partner for a wide range of construction industry stakeholders from infrastructure project owners to consulting engineers, to earthmovers and beyond.

Says Montierro: "We've worked with road builders, earthmovers, mine site operators, municipalities, and more. Our goal is always the same: find out what they need to make their project successful and give them a solution to match."

Discover more about Titan geosynthetic solutions on our [website](#).



Investing in the future

Helping RRC technology students realize their full potential

Recent awards

The annual scholarships were recently presented to RRC Polytech award recipients.



In front, CTTAM's CEO & Registrar Robert Okabe and award sponsor. Photo courtesy of RRC Polytech.

The following scholarship awards winners were selected based on their academic standing:

CTTAM scholarships

Mark Daalderop
(Electronic Engineering Technology)

Charles Bryer
(Instrumentation and Control Engineering Technology)

Inderpreet Mann
(Mechanical Engineering Technology)

TD Insurance Meloche Monnex Award

Yan Yan
(Structural Engineering Technology).

Robert Okabe Achievement Award

Nicholas Wark
(Geomatics Technology)

Edward Butler
(Municipal Engineering Technology)

Feedback

The Manitoba Technologist is published by the Certified Technicians and Technologists Association of Manitoba (CTTAM).

The opinions expressed by the authors do not necessarily reflect the official views of the Association. This newsletter acts as a moderator without approving, disapproving or guaranteeing the validity or accuracy of any data, claim, or opinion appearing under a byline or obtained or quoted from an acknowledged source. CTTAM recognizes that Winnipeg is on Treaty 1 territory, the territory of the Anishinaabeg, the Nehiyaw, the Oji-Cree, the Dakota, and the Dene Peoples and on the Homeland of the Métis Nation.

Articles, suggestions or constructive criticism regarding this publication, the Association, or other matters of interest to Engineering and Applied Science Technicians and Technologists should be sent to:

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Keep in touch

Ensure you are receiving our updates, especially in these times of rapidly changing developments.

We regularly send out emails announcing events and professional development seminars. If you are not receiving these emails, contact us at admin@cttam.com or call 204-784-1081.

We will gladly update your email address on your member profile and update contact information.



Co-op education at RRC Polytech

Student's learning extends beyond the classroom

A co-operative education program integrates a student's academic studies with work experience in co-operative education employer organizations.

The plan is for students to alternate periods of experience in appropriate fields of business, industry, government, social services and the professions in accordance with the following criteria:

- Each work placement is developed and/or approved by the College as a suitable learning situation;
- The student is engaged in productive work rather than merely observing;
- The student receives remuneration for the work performed;
- The student's progress on the job is monitored by the College;
- The student's performance on the job is supervised and evaluated by the student's co-operative education employer and
- The total co-operative education work experience is usually not less than twenty-five percent of the time spent in academic study.

Co-operative education plays an integral role in RRC Polytech's mission of providing high-quality educational and training opportunities. Co-operative education at RRC Polytech is delivered through a decentralized system in order to reflect the unique situation of each department and ensure relevance to the industry served by the program.



RRC POLYTECH

Work-Integrated Learning Co-op Program

The Civil Engineering Technology, Construction Management and Architectural Technology programs at Red River College Polytechnic have over 330 student participants for the 2022 co-op work term.

These students will be applying for their co-op work term experiences within our industry over the next six months. Below is pertinent information regarding the Work-Integrated Learning (WIL) Co-op Program.

Our program offerings include:

- Two-year (diploma) Architectural Technology
- Three-year (diploma) Architectural/Engineering Technology, Environmental Engineering Technology, Geomatics Technology, Municipal Engineering Technology, Structural Engineering Technology
- Four-year (degree) Construction Management

All Civil and Construction Management students must successfully complete a six-month co-op work term between each academic year, and are available to participate (work) from the beginning of May until the end of October, annually. All students in the Architectural Technology program must complete one four-month co-op work term between May and August.

We typically start posting co-op jobs closer to January, but this year employers are coming to our office earlier than usual, which shows how busy our industry is, despite COVID-19.

Co-op work term dates for 2022:

- Civil Co-op: May 2 to Oct. 21, 2022
- Construction Management Co-op: May 2 to Oct. 14, 2022
- Architectural Technology Co-op: May 2 to Aug. 19, 2022

At RRC Polytech, we use an employment services platform called **Job Central**. This website is a great way for employers to post co-op jobs, as well as permanent/temporary and part-time employment opportunities for our current and graduated students.

Employers usually post the job themselves, as it is quite user-friendly, but you can also send a copy of the job description to civilco-op@rrc.ca, and we can post it for you.

Once the job posting closes, we forward all applications to the employer. Employers then peruse applications, schedule interviews and hire the successful interviewee(s).

Feel free to share this information with colleagues and industry partners. We know the work force needs knowledgeable, industry-minded employees for the 2022 construction season and our student co-op work terms are a great option for employers to fill that need.

Please contact us with any questions.

Dylan Yanchynski
civilco-op@rrc.ca

Dwayne Sayers
civilco-op@rrc.ca

Please also reach out to our RRC Polytech Mechanical and Electrical WIL Co-op Coordinators with any questions you have pertaining to their respective industries and student co-op opportunities.

Electrical Engineering: honorou@rrc.ca
Mechanical Engineering: varujothi@rrc.ca

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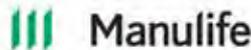
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