

BC

REGENCY DEVELOPMENTS

Bringing Communities Together



SEND IN THE DRONES

TOP TECH &
NEW TECHNOLOGIES

THE KING NOW HAS SWING

TALLEST TELEHANDLER
THE ROTATING 512-83R

COLOSSAL PROJECTS

IMPROVING
PUBLIC SECTOR
INFRASTRUCTURE

TAKE YOUR BUSINESS TO THE TOP OF THE CLASS



2021 **SUPER DUTY**®

- ◆ Best-in-class max. available payload of 7,850 lbs*
- ◆ Max. available diesel towing of 37,000 lbs**



2021 **F-150**

- ◆ Best-in-class[†] max. available payload of 3,325 lbs
- ◆ Best-in-class[†] max. available towing of 14,000 lbs

When you're building a business, you need the best. The 2021 Ford Super Duty is a powerful business partner. Designed with productivity in mind, the all-new Ford F-150 – with its available Tailgate Work Surface comes ready for the worksite, and its class-exclusive[^] available Pro Power Onboard™ offers exportable power on demand to help keep you running until the job's done.



COMMERCIAL VEHICLES

[FORD.CA/COMMERCIAL-TRUCKS](https://ford.ca/commercial-trucks)

Vehicles may be shown with optional features. *2021 Super Duty with 6.2L engine, DRW, Long Box and Heavy-Duty Payload Package. Class is Full-Size Pickups over 8,500 GVWR. Max. payload is for properly equipped base vehicle with required equipment and a 150-lb driver and varies based on cargo, vehicle configuration, accessories and number of passengers. See label on door jamb for carrying capacity of a specific vehicle. For additional information, see your Ford Dealer. †Class is Full-Size Pickups under 8,500 lbs GVWR. **When properly equipped. †Max. payload on 2021 F-150 Regular Cab 8' box 4x2 with available 5.0L V8 engine and max. Trailer Tow and Heavy-Duty Payload Pkgs. Class is Full-Size Pickups under 8,500 lbs GVWR. Max. payload varies and is based on accessories and vehicle configuration. See label on door jamb for carrying capacity of a specific vehicle. †Max. towing on 2021 F-150 SuperCab 8' box and SuperCrew 4x2 with available 3.5L EcoBoost, max. Trailer Tow Pkg. Class is Full-Size Pickups under 8,500 lbs GVWR. Max. towing varies based on cargo, vehicle configuration, accessories and number of passengers. ©2021 Ford Motor Company of Canada, Limited. All rights reserved.

contents

SPRING 2022 | ISSUE 03

03



21

06 NEWS FROM ACROSS CANADA

Providing in-depth journalism and insight into the most impactful news and trends shaping the construction and building industry.

18 THE KING NOW HAS SWING

JCB Unveils Its Tallest Telehandler, the Rotating 512-83R

21 TOP TECH

With the pace of change and adaptation accelerating, construction companies are yet again relying on technology to survive and thrive.

24 REGENCY DEVELOPMENTS

Regency Developments is building a reputation of being a leader as a real estate developer and builder – one that has created a legacy of crafting valued communities that families are proud to call home.

39 BASIN MEDIA HUB

The \$250 million, purpose-built, state-of-the-art film, television and digital media hub to be located on an 9 acre waterfront development parcel in Toronto's Port Lands.

42 COLOSSAL PROJECTS

Canada is experiencing record investment in creating and improving public sector infrastructure and developing commercial construction projects to provide a foundation for our growing economy.



24






42



Unlock the ultimate home entertainment experience

Ignite TV™

-  **Any screen, any place.**
Watch anywhere, on the Ignite TV app, with Download & Go¹ and Cloud PVR.
-  **Say it. Play it.**
With the voice remote, there's never been an easier way to watch.
-  **One system. One search.**
Get effortless access to Netflix,² YouTube, live TV, Rogers On Demand and more.




 YouTube

NETFLIX

LIVE TV

ROGERS On Demand

Ignite Internet™

-  Unlimited Usage available.
-  Download speeds up to 1 Gbps.³
-  Fast, reliable, stress-free WiFi to keep your whole home connected.



Ignite Home Phone™

Keep in touch with family and friends across town or around the world with affordable long distance rates.⁴

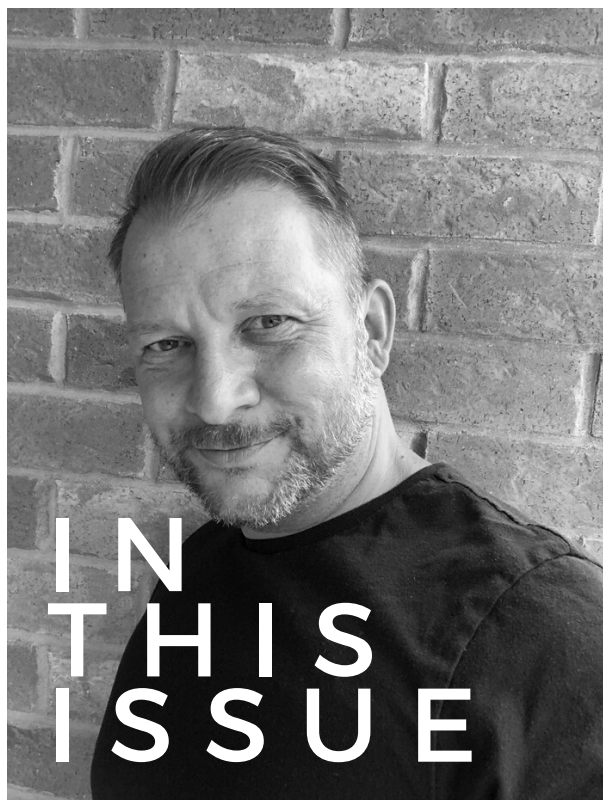


Contact your Rogers representative to order now:

 **1-866-902-9534**

 **ROGERS**
Make more possible.

¹ Cloud PVR recordings and select on-demand content may be downloaded on a limited number of mobile devices for a limited period of time (max number of downloads and time permitted varies by device). Once downloaded from Cloud PVR, the recording is checked out and unavailable for download to other mobile devices or the set top box until it is checked back in. See rogers.com/ignite-tv-download-stream. ² Separate Netflix subscription required. ³ An Ethernet/wired connection and at least one additional wired or wireless connection are required to reach maximum download speeds of up to 1 Gbps for Rogers Ignite Gigabit Internet. Speeds may vary with internet traffic, server gateway/router, computer (quality, location in home, software and applications installed), home wiring, home network or other factors. See Acceptable Use Policy at rogers.com/terms. ⁴ One-time Ignite Home Phone installation fee of \$49.99 will apply if the service is installed separately at a later date. Existing Rogers Home Phone customers who subscribe to a Rogers Ignite bundle must switch to the Ignite Home Phone service (activation optional) and existing home phone service will no longer be available. Certain features not available with Ignite Home Phone service, including TV call display, distinctive ring, battery back-up, auto connect, foreign exchanges and multiple lines. In the event of a power or network outage/disconnection, you will not be able to make any voice call, including Emergency 9-1-1 calls with your Ignite Home Phone service.™ Rogers and related names & logos are trademarks used under licence from Rogers Communications Inc. or an affiliate. © 2021



Welcome to the latest edition of Build Canada Magazine.

This issue we bring back our Building with Excellence series with a headlining feature with Edmonton's top real estate developer and builder Regency Developments. This innovative construction giant takes pride in its attention to detail and ability to evolve with fast-moving markets. In addition, the company is utterly committed to its communities, its clients, and its vision of developing extraordinary projects. Chief Operation Officer Raj Dhunna joins us to discuss their current project, the Holyrood Gardens Redevelopment project located at 85 Street and 93 Avenue that will add 1200 units adjacent to the Valley Line LRT.

Also, the construction technology ecosystem is shifting toward integrated software platforms that better serve customer needs. With a wide variety of technologies to boost productivity and safety and improve decision-making are already available and new innovations are constantly being developed in the construction sector. These include drones, robotics, 3D printing, predictive analytics, artificial intelligence, building information modelling (BIM), and wireless monitoring and augmented reality.

For more great stories of building excellence, keep reading as we continue to Build Canada.


JASON ALEXANDER
Managing Director

Connect with us



MANAGING DIRECTOR

JASON ALEXANDER
jason@build-canada.ca

EDITOR-IN-CHIEF

PAUL JONES
editor@build-canada.ca

ACCOUNTS MANAGER

DANIELLE MEVILLE
accounts@build-canada.ca

CREATIVE DIRECTOR

DIMA LINNIKOV

CREATIVE DESIGN

RICHARD MARTINEZ
ROBERT NABIL
VESKO MILACIC

WEBSITE PRODUCTION

TRISTAN SINGKALA
AMIT RANJAN

CONTRIBUTING WRITERS

MILTON SHOOK
SHUDEEP CHANDRA
KRISTEN HOWERTOWN
PAM BRASHEAR

LETTERS TO THE EDITOR

Email editor@build-canada.ca. Letters may be edited or shortened for clarity and space. Include name, city of residence and daytime phone number.

bc media



73 ECHOVALLEY DR.
STONE CREEK, ONTARIO L8J0H5



WWW.BUILD-CANADA.CA

CONSTRUCTION >

PIPELINE EXTENSION SOARS TO \$21.4 BILLION

The federal government will not put more money toward the Trans Mountain pipeline expansion in spite of a newly disclosed price tag for the project that comes in 70 per cent higher than expected. Deputy Prime Minister Chrystia Freeland said that Trans Mountain Corporation – the Crown corporation that owns the massive oil pipeline – will need to secure third-party funding to complete the project, either through banks or public debt markets.

“I want to assure Canadians there will be no additional public funding for TMC,” Freeland told reporters in Ottawa, adding the government has engaged BMO Capital Markets and TD Securities to provide financial advice on the project and has been assured by both parties that the project remains commercially viable.

Freeland’s comments came shortly after Trans Mountain Corporation announced the projected cost of the pipeline expansion has soared from its earlier estimate of \$12.6 billion to \$21.4 billion.



INDUSTRY >

PCL EDMONTON CELEBRATES

PCL Construction is celebrating the centennial anniversary of its Edmonton Buildings and Civil district. The company has been building in Edmonton, Northern Alberta, the Northwest Territories and Nunavut for the past 100 years.



NET ZERO >

CANADA INVESTS IN DEEP ENERGY RETROFITS FOR RESIDENTIAL UNITS

Clean air, middle-class jobs and more money in Canadians’ pockets: helping people upgrade their homes to be more energy-efficient fights climate change and creates good jobs, all while making sure homeowners save on their monthly bills. Julie Dabrusin, Parliamentary Secretary to the Minister of Natural Resources and to the Minister of Environment and Climate Change, on behalf of the Honourable Jonathan

Wilkinson, Minister of Natural Resources, announced an investment of more than \$4.4 million to the Canadian Home Building Association to enable energy efficiency in the residential sector in municipalities across Canada. The project will fund deep energy retrofits in houses and low-rise multi-unit residential buildings to demonstrate the various approaches that can be used to achieve net-zero-energy-ready performance in residential units.



hellyhansen.com

REAL ESTATE >



AVERAGE RENTS RISE TO 4.4%

The average rent for all Canadian properties listed on Rentals.ca in January was \$1,807 per month, up 4.4 per cent annually. This is the fifth consecutive month average asking rents for all property types were positive year over year based on Rentals.ca listings, following 16 consecutive months of annual decline.

URBAN PLANNING >

WATERFRONT TORONTO NAMES NEW PARTNERS

Waterfront Toronto has named two companies that will develop a swath of lakeside land a Google affiliate once hoped to turn into a high-tech neighbourhood. The organization overseeing the city's waterfront announced that it will begin negotiations for the development named Quayside with Dream Unlimited Corp. and Great Gulf Group. The companies intend to bring 800 affordable housing units and a nearly one-hectare forested green space with an urban farm sitting atop a residential mass timber building to the five-hectare site in downtown Toronto.

They will also build an arts venue on the land and kit out the property with low-carbon innovations meant to make Quayside the first all-electric, zero-carbon community at this scale. "We set out to make Quayside the kind of community that meaningfully improves the lives of its residents, neighbours and visitors," said George Zegarac, Waterfront Toronto's president and chief executive, in a news release.



MATERIALS >

LAFARGE SUPPLIES ECOPACT FOR GENESEE POWER PLANT CONSTRUCTION

Lafarge Canada is supplying its ECOPact reduced-CO2 concrete to contractor PCL for its construction of the upcoming Genesee power plant in Alberta. Lafarge North America president and general manager Prez Skiba said "The original concrete proposed was already a low carbon design, but we knew we could take it further. We brought in further emissions reductions with our ECOPact design, and we were able to reduce embodied CO2 by an additional 20%. That's 20% over and above the original

design, which already offered a 20% reduction. The combined 36% CO2 reduction is equivalent to the energy used by 70 houses in a year." ECOPact is Lafarge's greenest and lowest-carbon concrete and is positioned to be a game-changer for construction across Canada. "It has the same performance and quality that we've always provided in our concretes," explains Skiba. "The difference is that now we can reduce the carbon emissions that go into its manufacturing."

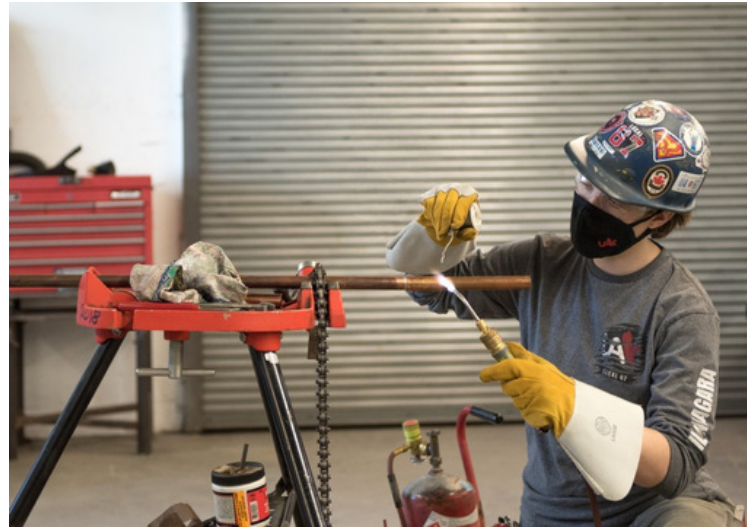
SKILLS >

ONTARIO TARGETS SKILLED TRADES WITH NEW AGENCY

The Ontario government has launched Skills Trades Ontario, a new Crown agency aimed at increasing the number of people in the skilled trades. The agency, which replaces the Ontario College of Trades (OCOT), will promote and market the trades, develop training and curriculum standards, and provide a streamlined user friendly experience for tradespeople.

“We’re redrawing the system to address Ontario’s labour shortage and make the trades a career choice for more people, said Monte McNaughton, Minister of Labour, Training and Skills Development. “The skilled trades provide well-paying and rewarding careers that are vital for our economy. By creating this new agency, we are working for workers and delivering the generational change and labour leaders and employers have been calling for.”

By simplifying processes and working to attract new people into the trades, the province is hoping that Skilled Trades Ontario will reduce the skilled labour shortage the province currently faces. “The creation of Skilled Trades Ontario is an important milestone, and I am thrilled to be a part of leading,” said Michael Sherrard, chair of Skilled Trades Ontario. “The implementation of a successful apprenticeships and skilled trades system is critical to the economic growth and success of our province, and this announcement is the next step in securing that future for us all.”





**"Our vision for
Spencer
Building Carrier
Hotel is to serve
as the premier
hub for
connectivity for
all of Western
Canada."**

Chris Jones
Director of Data Center
Infrastructure and Operations

ANNOUNCEMENTS >

HARBOUR CENTRE

SPENCER BUILDING CARRIER HOTEL ANNOUNCES CONSTRUCTION OF BRAND-NEW, STATE-OF-THE-ART DATA CENTER IN VANCOUVER'S ICONIC HARBOUR CENTRE

Embedded in the rich history of downtown Vancouver's Harbour Centre, Spencer Building Carrier Hotel is pleased to announce that the company will soon begin construction to become Western Canada's newest, state-of-the-art data center to join the market. With construction set to be complete in Spring 2023, the new build promises to deliver extended power and connectivity to the downtown area and beyond. When fully built out and operational, the 43,000 sq. ft. carrier hotel will boast an impressive 10MW of critical power, the ability to support up to 20kW+ per cabinet, and over 20,000 connected fibers, among other features. Spencer Building's connectivity capabilities extend its reach beyond Western Canada as well. With gateways to Asia and the new Cascadia fiber trunk extending the center's reach from Canada to Seattle, the Westin

Building Exchange, and future Washington landing points, Spencer Building Carrier Hotel is truly changing the landscape for the Downtown Vancouver area.

"Our vision for Spencer Building Carrier Hotel is to serve as the premier hub for connectivity for all of Western Canada," said Director of Data Center Infrastructure and Operations, Chris Jones. "This data center will not only be brand new, but it will also come with the latest innovative and cutting-edge technology that will allow us to provide a customized service for all customers, regardless of size."

TOP SELLING PICKUP TRUCKS



GMC SIERRA DENALI ULTIMATE



The GMC Sierra gets a nice update for 2021, bringing a brand new interior, a new ultra-lux Denali Ultimate trim (that GMC says is the most luxurious pickup ever), and support for Super Cruise — that's GM's hands-free driving system and it's the first time it'll be available in a pickup.



FORD MAVERICK



The Ford Maverick is an exciting entry in the pickup truck wars. The smallest truck Ford makes, it's aimed at folks who have never owned a truck before (and it's working, according to Ford's spokespeople). Starting at \$21,000 and with a 42 mpg hybrid powertrain standard, the Maverick will probably be largely sold out for all of 2022.



FORD F-150 LIGHTNING



Perhaps the most significant new truck coming in 2022, the F-150 Lightning is perhaps most meaningful for its name. Ford didn't have to put the name of its iconic and best-selling truck in the name — it could have just been the Ford Lightning.



NEW BRUNSWICK BUILDING BOOM

Moncton, Fredericton and Saint John all showed significant growth in the latest census result. Moncton led the charge by growing by 8.9 per cent, Fredericton grew by 5.8 per cent, and Saint John showed growth for the first time in five years, with a growth of 3.5 per cent. The City of Moncton has hired consultants to develop an urban growth strategy, “that will address where and how residential and employment growth should occur in Moncton over the next 25 years,” according to Andrew Smith, Moncton's long-range policy planning manager.

Currently, Moncton is seeking to attract more residents to the downtown core. “Right now the current planned direction is to increase residential units in the downtown by 80 to 100 units per year,” Smith said. After Halifax, Fredericton has the largest downtown in the Atlantic provinces. In Saint John, Mayor Donna Reardon said the focus is on vertical construction on the peninsula, as well as a focus on mixed residential zoning, where single-family homes, multi-unit buildings and commercial spaces would coexist in the same neighbourhoods. She said that mixed zoning was causing mixed feelings in some residents. “Even with these rezoning public hearings that come to council they can sometimes be very emotional,” she said about residents concerned with changes to their neighbourhoods.



Unlock worry-free living for your home buyers.

TELUS Custom Security Systems offers unique end-to-end solutions that meet the needs of your development and set your homes apart. State-of-the-art security and automation provides peace of mind and a fully connected lifestyle to buyers.

Request a consultation today.

telus.com/BuilderSecurity



INFILL >

INFILL SOLUTION TO GTA RENTAL WOES

As the pandemic surges on, and affordable rental housing continues to be a pressing need in the GTA, some housing experts believe a solution has been sitting in plain sight all along: infill development. Simply put, it means adding new units to existing rental sites where there is room and opportunity for growth.

Currently, the Federation of Rental-Housing Providers of Ontario (FRPO) estimates there are some 950 rental sites with the potential to add 176,000 new units throughout Toronto and the wider region.

“A lot of the sites are concentrated outside of the downtown core in relatively affordable markets,” says Tony Irwin, president of FRPO. “The other thing that’s important is that over 35 per cent of the potential units are within 800 metres of a current or future transit station.”

According to a recent Urbanation report looking at supply gap and opportunities for developments, Toronto and the Greater Hamilton Area (GTHA) will be facing shortages of up to 200,000 rental units within a decade unless solutions are implemented in the near-term to change this long-term reality.

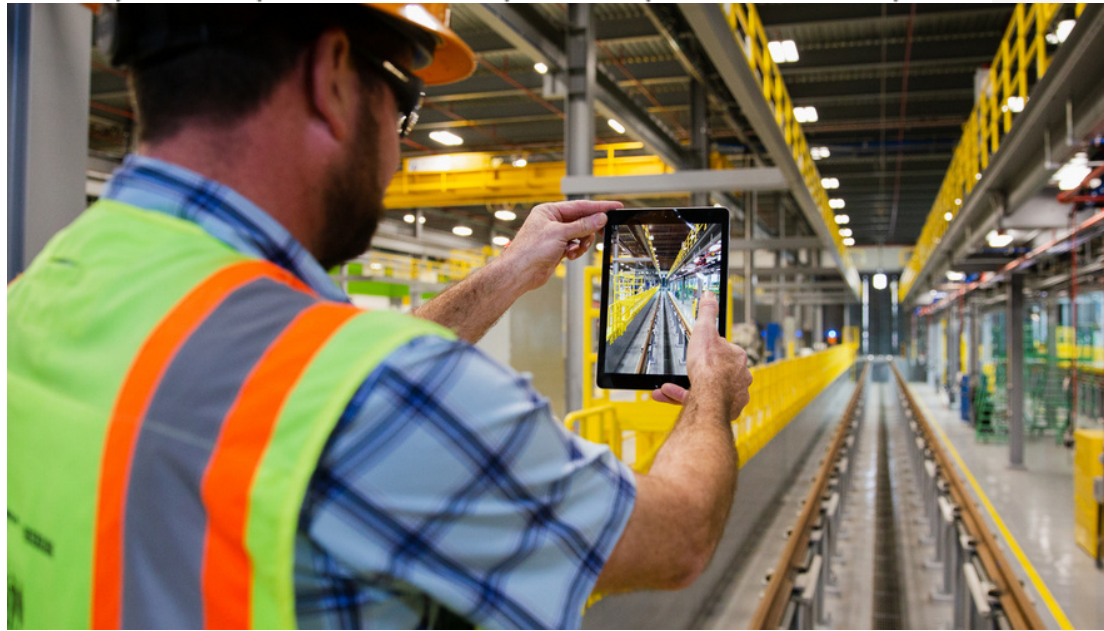




Lafarge Canada introduces **ECOPact**, the industry's broadest range of sustainable concrete for today's high-performance building and sustainable and circular construction and recycling practices. ECOPact is sold at a range of low-carbon levels, from 30% to 100% less carbon emissions compared to standard concrete. Where regulatory conditions allow, ECOPact products integrate upcycled construction and demolition materials, further closing the resource loop.



 **LAFARGE**



HIGHER FIELD ADOPTION, BETTER OFFICE INSIGHTS.

Raken, a leading mobile field operations solutions provider for the construction industry, today announced the launch of Production Tracking, a new way to manage productivity on the site. Using Production Tracking, construction teams can track employee time and materials to increase profitability and ensure projects are progressing as planned.

The Production Tracking feature allows users to record how much material was installed each day along with the time spent by employees and crew members. The solution compares the actual amounts of materials installed and budgeted with the actual quantities installed. It also monitors project progress and identifies risks in real-time as well as bidding more accurately for future

projects by using historical production data.

“Every project starts with the goal of ending on time and on budget, and we build solutions which ensure that goal becomes a reality,” said Kyle Släger, Raken’s CEO and founder. “Staying true to Raken’s field-first approach, our goal with Production Tracking is to empower construction teams with the data they need to make decisions that positively impact the profitability of their projects. We’re providing a fast, easy-to-use solution that connects the field to the office, reduces stress, increases efficiency and profitability.”



53% of respondents in MarTec's recent study of 400 general and subcontractors expect that their field platforms will include production tracking functionality. As a result of the introduction of Production Tracking, Raken can meet these expectations as well as become the preferred solution in the field.

"We're staying true to our philosophy to build software for workers in the field," Slager said. "By empowering the team on site with an easy visual of field progress straight from their mobile devices, they spend less time chasing down information and more time managing their project."

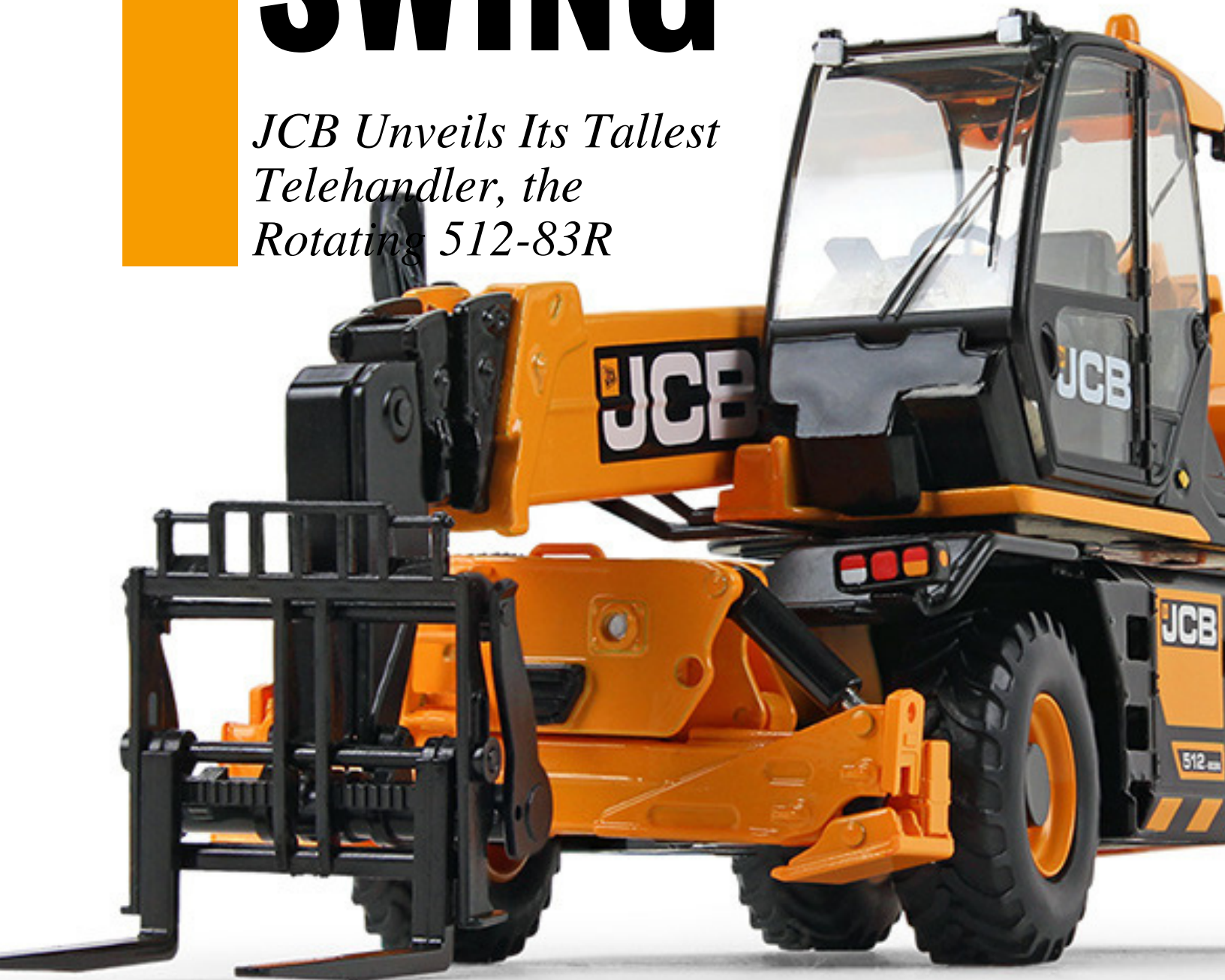
Following a \$10 million Series A funding round in June of 2018, Raken has introduced several powerful product enhancements, including Toolbox Talks, a first-of-its-kind, innovative feature that streamlines the workflow of essential jobsite safety meetings, as well as a Spanish-language option and offline mode.

Raken serves clients in 92 countries and has been utilized on over 350,000 projects. The cloud-based SaaS solution boosts productivity and safety by streamlining field data collection and project and safety management workflows, such as daily reporting, time tracking, production tracking and safety management.



THE KING NOW HAS SWING

*JCB Unveils Its Tallest
Telehandler, the
Rotating 512-83R*



Offering a maximum lift capacity of 12,000lbs (5.5-tonne) and a maximum working height of 83ft

The world's favorite telehandler is now available with a 360 degree rotating boom. Introducing the 512-83R with an 83 foot lift height capacity. The new JCB rotating telehandlers are simple to operate and offer all around productivity, versatility, efficiency and safety.

JCB North America, the world's number one telehandler manufacturer, is extending its portfolio, with the launch of a totally new rotating telescopic handler range. Recognizing the growth in popularity of rotating machines with heavier lift capacities across the globe, the North American market will see the introduction of the 512-83R, offering a maximum lift capacity of 12,000lbs (5.5-tonne) and a maximum working height of 83ft (25.5m).

It is powered by a 145-hp JCB EcoMax engine and has a two-speed hydrostatic transmission with a top travel speed of 25 mph. Rapid setup time is assured by Auto one-touch stabilizer deployment, stowage and leveling. The unit features enhanced lift end cycle times and high auxiliary flow rates for efficient winch work. Remote control lift-end operation and the availability of aerial access platforms enable use as a telehandler, crane and mobile elevating work platform. A range of specially developed attachments using RFID technology can be identified by the machine to automatically offer the correct load chart for the operator.

The cab includes a simple to operate, industry standard control layout, a 7-in. display screen with programmable envelop limits and various comfortable seating options. The JCB LiveLink telematics system comes standard with a 5-year subscription. The low, clean boom design ensures all-around visibility, and a lower chassis-mounted engine layout provides enhanced access and serviceability. Various work light options and camera kits are available, including a boom head camera for precise placement at height.

This first model has a maximum lift capacity of 12,000 pounds (5.5 tonnes) and a maximum working height of 83 feet (25.5 m). According to JCB, the 512-83R meets changing requirements of contractors and rental companies across the world as the trend toward off-site fabrication requires greater lift capacity and additional versatility. ♦



EVENTS OF 2022 NOTE

APR 6

ARCHITECT@WORK
TORONTO, ONTARIO – ENERCARE CENTRE

Exhibition for Architecture & Interior Design. ARCHITECT@WORK gives you the opportunity to get into contact with: architects, interior architects, designers, engineering bureaus, project developers, technical services, towns & district councils.

APR 13

ATLANTIC HEAVY EQUIPMENT SHOW
MONCTON, NEW BRUNSWICK – MONCTON COLISEUM

Trade show for equipment owners, operators and purchasers representing the fields of general construction, trucking, public works, utilities, aggregate production, road building and maintenance.

APR 28

SPRINGFEST 2022
TORONTO, ONTARIO – METRO TORONTO CONVENTION CENTRE

This exclusive one-day event features educational seminars and top exhibits for building owners, property managers, facility managers and others responsible for building maintenance and facility operations.

APR 29

EXPO GRANDS TRAVAUX 2022
SAINT-HYACINTHE, QUEBEC – ESPACE SAINT- CENTRE BMO

Eastern Canada Major Works and Heavy Equipment Trade Show featuring building machinery, urban equipment & engineering, and building & construction.

MAY 19

ZAK WORLD OF FACADES
TORONTO, ONTARIO – HILTON, TORONTO

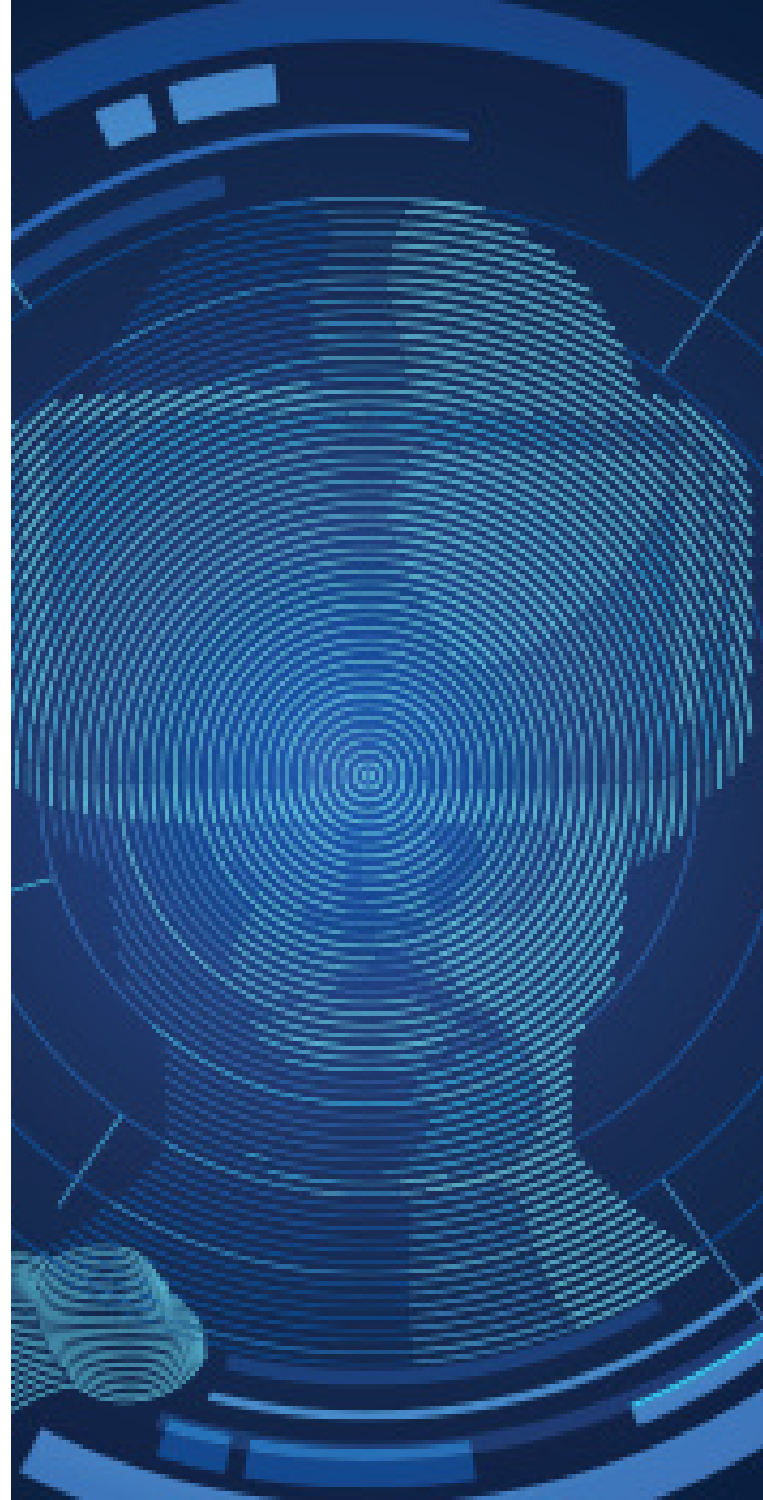
Zak World of Façades is an international conference series on façade design & engineering will showcase sustainable innovations and challenges in the construction industry pertaining to the building envelope and will also display the latest technological solutions.

Construction Technology is Reshaping the Industry

CONSTRUCTION TECHNOLOGY

Success in construction requires the highest-quality building materials and methods, faster build speeds, a skilled workforce, and on-site efficiencies that speed up the project and keep workers safe. This increasingly requires the adoption of new technologies, which are often cloud-based and help with scheduling and workflow management, typically in real time.

Technology will continue to see greater adoption as construction leaders deal with improving productivity, eliminating inefficiencies, and adapting to a younger workforce of digital natives that expect to work with technology.



AUGMENTED REALITY

AR can layer certain details and elements onto a building plan so stakeholders can get a better understanding of the project. AR can also be used to showcase 3D models and even provide tours, giving clients a solid idea of what a building would look like before it's built. AR can streamline collaboration in remote environments by letting teams share 3D images and videos with team members who aren't on site.



CONSTRUCTION WEARABLES

Construction is one of the riskiest industries to work in, with accidents like falls and collisions with equipment accounting for hundreds of worker deaths each year. Wearable technology offers the possibility of added safety for workers, potentially preventing injuries and fatalities across the industry. Smart Boots, Smart hard hat, and Power gloves are already available today, and other wearables, like smartwatches, monitors and goggles, improve lone worker safety, check for fatigue and enable contact tracing



EXOSKELETONS

Construction exoskeletons, or exosuits, are wearable machines with motorized joints that provide extra support and power during repetitive movements like bending, lifting and grabbing. While exoskeletons originated in rehabilitation programs, they are gaining attention as a tool to reduce injuries and increase efficiency for construction workers. Some exoskeletons are powered by electricity and others simply redistribute weight throughout the body, but all of them have advantages for workers performing tough jobs. Though exoskeletons are making strenuous jobs easier for construction workers, the industry is also looking toward construction robots to ease the burden even more by offloading certain risky and difficult tasks to machines.



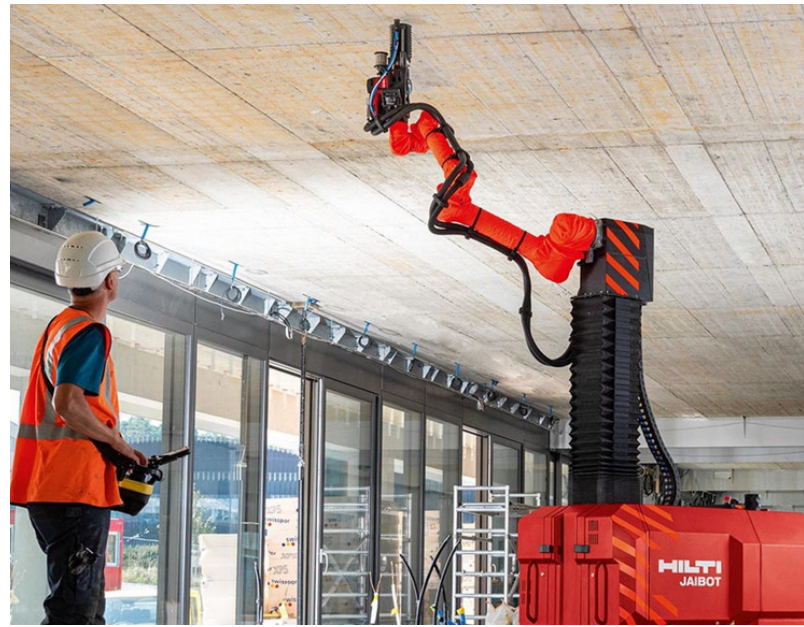
ARTIFICIAL INTELLIGENCE

Artificial intelligence (AI) is the ability for technology to make decisions independent of human input, while machine learning is the ability for technology to “learn” from past experiences and big data analysis. Both of these technologies have massive implications for construction, where efficient and intelligent decision-making has notable effects on productivity and safety. Machine learning and artificial intelligence will soon affect every aspect of a construction project, from planning to project closeout. Additionally, AI and machine learning are improving novel methods of building, like modular construction, which is a growing part of the construction sector.



CONSTRUCTION ROBOTS

Construction robots are still a ways off from completely taking over the industry, but several designs and proposals are on the table as the industry considers ways to deal with a labor shortage and the need for social distancing. While robots like this have not yet been widely adopted in construction, other formerly futuristic technologies are already widespread. For example, drones are now a common sight on construction jobs, performing work that would have been cost-prohibitive just a few years ago. Construction robots may be involved in specific tasks, such as bricklaying, painting, loading, and bulldozing. These robots help to protect workers from a hazardous working environment, reduce workplace injuries, and address labor shortages.



DRONES

With data and imagery collected via a drone in the air, users can create 2D and 3D maps, orthomosaics, collect elevation data, and gather volumetric measurements to better plan for, build, and develop projects. The high-quality information collected by a drone also give users the opportunity to view a site in real-time as it progresses, to better manage resources and keep projects on schedule. Additionally, drone technology gives those in the industry the valuable ability to view a project from the comfort of their office without having to physically step foot on a site. This way, many different parties can work together to easily track development and collaborate to improve decision-making.

MODULAR CONSTRUCTION

Modular Construction is an alternative building method in which structures are constructed off-site, delivered in pieces and then assembled by cranes. Because construction of the building happens at the same time the site is prepared, modular construction can be up to twice as fast as traditional projects.

Decreased construction waste: Since many buildings are constructed simultaneously in one factory, excess materials from one project can easily be used on another.





REGENCY DEVELOPMENTS BRINGING COMMUNITIES TOGETHER



Regency Developments was built from the ground up on the foundation of a dream and dedication to hard work. Their story is one of resilience and of unwavering commitment to complete each project to the highest standard possible. As Chief Operating Officer Raj Dhunna says, “We believe in the principles of honesty, integrity and respect with an understanding that we’re building a home for a family that wants to be an active part of the community. Being a family owned and operated business, we are committed to building and maintaining long term relationships with our community, city council, and key partners.”

From their humble beginning, Regency’s story unfolds with its Founder, Rakesh Dhunna, who immigrated to Canada from his native India as they settled in Edmonton. The city they call home was going through a population growth boom, an expanding economy, and an abundance of employment opportunities which attracted people to Edmonton and fueled population-based demand for housing.



“My parents came to Canada in the early 80s with nothing more than a mid-level high school education where English was a foreign language, and they embarked on a new journey in search of a better life for family,” says Dhunna. “They arrived, got to work right away at blue collar jobs and continued doing that for the next decade. In the early 1990’s my dad built his first spec home without any previous knowledge or experience. Even though it was a lot of trial and error, he put the work in and committed himself to the project at hand.”

The senior Dhunna recognized the potential in the market and started building single family homes, townhomes, and small-scale commercial projects while amassing an impressive rental property portfolio over the next two plus decades. In 2009, he expanded his operation to include strategic land acquisitions to tackle larger multi-family developments and around this time the next generation became more involved with Raj Dhunna becoming actively involved in the company. “I was finishing up my MBA from the University of Alberta while getting a crash course in the school of hard knocks of being a project manager and managing our rental multi-family projects at the same time,” Dhunna says. “Balancing time, between school and work wasn’t easy, but going through that I learned the value of hard work and built on my foundation of a strong work ethic that my parents instilled in me.”

BUILDING RELATIONSHIPS

At the heart of Regency Developments’ core values is the Dhunna’s beliefs that building meaningful relationships is directly tied to the success of building better projects. “Delivering quality with a great product is essential in our process, and we take great pride in our ability to remain true to our company values,” he states. “To do that, you need to have the right team in place, and we have a devoted sales, leasing, service and management teams that ensure a positive and seamless experience that our valued clients deserve at our quality developments.” Building meaningful relationships is also important to Regency Developments when it comes to their vendors and sub-contractors – that’s the only way to ensure consistent quality and efficiency. “The relationships we have built with our consultants, trades and suppliers are vital with the scale of projects at hand, and we’ve been working with many of them since the beginning days, so it’s great to have that confidence knowing the work is going to be done right backed with a high degree of trust.”



Regency is also proactive when it comes to the policies and plans city officials have to redirect growth to transforming and rejuvenating built-up areas and intensifying the current urban fabric. The benefits of infill development include bringing more people closer to transit, replacing old, inefficient homes, and utilizing existing community infrastructure. “We felt early on at Regency that infill development was a key opportunity because a lot of people in established neighbourhoods want to downsize but not necessarily move away from the neighbourhood they’ve known their whole lives,” Dhunna says. “Increasing housing options represents a generational opportunity to reimagine Edmonton’s extensive low-rise neighbourhoods as more inclusive places for existing and future residents to call home.”

“Increasing housing options represents a generational opportunity to reimagine Edmonton’s extensive low-rise neighbourhoods as more inclusive places for existing and future residents to call home.”

RAJ DHUNNA



PROUD TO BE UNIQUE

Unique Scaffold Inc. was established in 1997 and has grown into a full-service scaffold company providing scaffold equipment across Western Canada. Scaffold services include equipment rental, design, installation and dismantle of scaffold or shoring equipment.

CALGARY

PHONE: 403.203.3422
4750 104 AVE SE
CALGARY, AB T2C 2H3

EDMONTON

PHONE: 780.482.3425
12003 167TH STREET NW
EDMONTON, AB T5V 1P1



uniquescaffold.com



However, the boom in development has not been without growing pains. “When we started Regency in 2008, we didn’t focus on where Edmonton was at the time, we focused on what the future of Edmonton would look like.

We went into the neighbourhoods that hadn’t seen any new developments in decades,” says Dhunna. “The ‘not in my backyard’ mentality was really strong, and everyone had a seemingly unjust opposition to development projects. Rezoning at the time wasn’t a common thing, but the city was in its infancy when it came to infill developments. It was interesting to build relationships with the city and work with them on rezoning process and policies such as community contributions that they necessarily didn’t even have at the time,” Dhunna says. “These community benefits are built within a new project. Sometimes it’s a financial payment that delivers benefits somewhere in the city; or building bus stops or using excavated dirt to build a toboggan hill for the school nearby. We are proud to have established deep meaningful relationships with the City, as when they want to try something different with a city pilot project for example they don’t hesitate to work with us because they know Regency will deliver every time.”



SHAPING THE SKYLINE

Regency has completed many prominent projects that have left their mark on the Edmonton skyline including: The Pearl, consisting of 36 storey and 128 units; the 700+ rental suites at Edgewater Village, a mix of 2 towers and 2 wood walkups, and the 400 rental suites located in two 10-storey mid-rise concrete buildings at 121 West, just to name a few. Each project is approached with a unique architectural objective, attempting to pin down the economic, social, and environmental value of good urban design.

“When we begin a new project we want to design bold and inspiring spaces for people and reinforce a sense of place in the communities we build. With the Pearl we wanted to build an iconic landmark that the city hadn’t seen before. We wanted to shift the future identity of our city and our vision was to bring something to a vibrant and growing city core,” Dhunna says. “We decided to make it stand out architecturally – sleek and sophisticated with floor-to-ceiling curtain glass walls at 36 stories, at the time the tallest residential building ever built in the city. Our mindset is to bring visionary projects that fit the neighbourhood in terms of its character but brings a modern touch to it.”

Committed to building interconnected communities in thriving neighbourhoods, Regency Developments current master-planned redevelopment in Holyrood fulfills one of the city’s main goals of developing more densely populated neighbourhoods near public transit. “Edmonton has had its challenges with the development of successful transit-oriented developments (TOD) and we look forward to massively shifting that narrative over the coming years. With TOD, we’re not only building the residences, but we’re also building neighbourhood renewal that contributes to the overall sustainability of the city,” Dhunna says.

Holyrood Gardens will consist of 1,200 residential units in eight buildings over 12 acres that will be between four- and 26-storeys tall, located at 8310 93 Avenue Northwest and adjacent to the Holyrood stop on the Valley Line LRT. Fully finished one, two and a handful of three-bedroom suites will be available with 9-foot ceilings, expansive windows, and plenty of common amenity space for residents. “Almost 50 percent of it is going to be green space, or public amenities space which allows residents get to know your neighbours. One of the many things we collaborated on with the city council and the community was their desire to see family-oriented units.

EXCEEDING EXPECTATIONS THROUGH EXCELLENCE

Master Mechanical Plumbing and Heating has been providing mechanical contracting services to owners, developers and general contractors throughout Alberta and British Columbia since 1968. Over the years, we have diversified into a broad range of mechanical installations, which include high rise buildings, shopping centres, apartments, long term care facilities, hotels, medical, institutional and industrial facilities.



**MASTER
MECHANICAL**
PLUMBING & HEATING

Head Office - Edmonton
2107 - 87 Avenue
Edmonton, AB
T6P 1L5
Phone: 780-449-1400

Branch Office - Calgary
#10, 6320 - 11 Street SE
Calgary, AB
T2H 2L7
Phone: 403-243-5880



Edmonton's leading provider of
interior systems in the residential
and commercial industries.

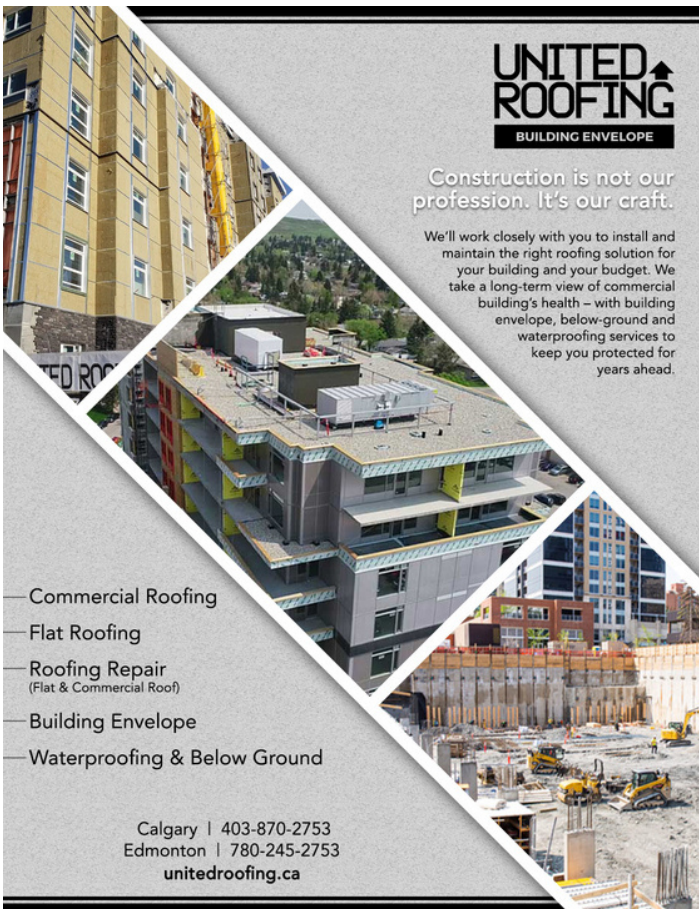


Drywall | Taping | Steel Framing | T-Bar | Insulation
PH: 780.483.4777 | 18015 107 Ave NW, Edmonton | egmdrywall.com

**UNITED
ROOFING**
BUILDING ENVELOPE

Construction is not our
profession. It's our craft.

We'll work closely with you to install and maintain the right roofing solution for your building and your budget. We take a long-term view of commercial building's health - with building envelope, below-ground and waterproofing services to keep you protected for years ahead.



Commercial Roofing
Flat Roofing
Roofing Repair
(Flat & Commercial Roof)
Building Envelope
Waterproofing & Below Ground

Calgary | 403-870-2753
Edmonton | 780-245-2753
unitedroofing.ca

STELLAR
Electrical

COMMERCIAL • DESIGN BUILD
MULTI-FAMILY

Professional Electrical Contracting

We didn't name our company "Stellar" by accident. Stellar sums up the way we operate: with integrity, reliability, and competency. Our aim to provide excellence in everything we do extends to our clients, vendors and contractors.



Phone: 780-757-7759
10039 63 Ave NW
Edmonton AB, T6E 4Z2
stellarelectrical.com





A leader in the
flooring industry
for over 35 years



Nelro Services Ltd. has experienced, quality minded professionals in both residential and commercial markets.

Specializing In:

Hardwood | Luxury Vinyl | Carpet | Tile | Laminate
Carpet Tile | Professional Install

Office: (780) 454-4838
15377 117 Ave NW Edmonton, AB T5M 3X4
nelro.com

A LOOK AHEAD

Regency Developments offers unique sensibility with each project they undertake. While each project is distinct, its primary focus is to deliver a common purpose of high quality and value aimed at community and city building, and at the same time, deliver products on time and on budget.

Looking toward the future, Dhunna plans to continue their marketplace expansion throughout Edmonton, while still committing to the original values that made the company successful. “Even though we have had opportunities to build larger scale developments outside of Edmonton, we choose not to. This is our home; we love Edmonton and want to continue to bring iconic projects to the city,” he says. We have three sites in our portfolio that still need to be developed so that will keep us busy from the next 10 years. True focus on diversification, migration and immigration are key for the future and to our economic recovery and long-term city building. ” Overall, this thriving, family-owned company understands and never loses sight of the fact that you need to keep establishing and building on relationships and to build for the community to ensure that the future is bright.

“Even though we have had opportunities to build larger scale developments outside of Edmonton, we choose not to. This is our home; we love Edmonton and want to continue to bring iconic projects to the city.”

RAJ DHUNNA





Courtesy of Cenovus Group

Amphibious vehicles

Taking strides to restore land

It's wet, muddy and difficult to reach. Much of the land in northern Alberta is muskeg, meaning it has a swamp-like consistency. That creates challenges for restoring land near our oil sands operations. Working in this region often requires creative approaches because machinery can get stuck in the boggy terrain. That's where amphibious vehicles come in. Using machines that can drive on land and float on water is a first for restoration in the oil sands. After several years of testing amphibious vehicles and equipment, we recently made the decision to fully integrate them into

our land restoration plans. Unlike conventional excavators, amphibious vehicles can maneuver through the muskeg in the summer and fall when the ground is thawed, giving us flexibility to engage in land restoration activities throughout the year. Before using amphibious vehicles, we were limited to doing restoration work in January and February. The conventional non-amphibious excavators that traditionally do this work can only operate when the ground is frozen.



Because
your business
matters.

**We're proud to be involved in the
success of our clients.**

Our lawyers appreciate the opportunity to help and support great local businesses develop and achieve their goals. We enjoy seeing clients grow, excel, and contribute to the prosperity of our community.

The only firm you'll ever need.

Guelph Office 105 Silvercreek Pkwy. N.
Guelph, ON N1H 6S4
519 837 2100
Fergus Office 519 843 1960
Toll Free 800 746 0685
www.smithvaleriotelaw.com

SMITH VALERIOTE
LAW FIRM LLP

EXCELLENCE IN OUR COMMUNITY



“Amphibious vehicles are a game-changer because we can restore land in any season, at a faster pace, lower cost and with minimal environmental impact,” says Ted Johnson, Cenovus Group Lead, Environmental Solutions & Systems. “With this in mind, we used amphibious vehicles to restore land last summer and plan to do so again this year.”

Amphibious vehicles are now an integral element of our Caribou Habitat Restoration Project to return 4,000 kilometres of old seismic lines and other linear features to forest cover by 2030 and plant up to 5 million trees. This project, announced as a voluntary initiative in 2016, is now a component of our land and wildlife sustainability targets launched in January 2020. “The amphibious vehicles project is a great example of successful industry collaboration. Cenovus initially worked through Canada’s Oil Sands Innovation Alliance

(COSIA) to test the vehicles with Devon Canada (now Canadian Natural Resources Limited) and ConocoPhillips, and COSIA members can use this technology for their own restoration work.

The Caribou Habitat Restoration recognizes and embraces the need for continual improvement and have made some noteworthy changes in recent years including testing amphibious vehicles and equipment as part of our land restoration plans. They recently collaborated with the Northern Alberta Institute of Technology (NAIT) to measure hoe carbon exchange is influenced by various restoration techniques. The findings of this research have been published in Wetlands Ecology and Management and will be used to help oil sands companies with active restoration programs improve their techniques.



“The amphibious vehicles project is a great example of successful industry collaboration. Cenovus initially worked through Canada’s Oil Sands Innovation Alliance (COSIA) to test the vehicles with Devon Canada (now Canadian Natural Resources Limited) and ConocoPhillips, and COSIA members can use this technology for their own restoration work. The Caribou Habitat Restoration recognizes and embraces the need for continual improvement and have made some noteworthy changes in recent years including testing amphibious vehicles and equipment as part of our land restoration plans. They recently collaborated with the Northern Alberta Institute of Technology (NAIT) to measure how carbon exchange is influenced by various restoration techniques.



KINGS VALLEY

LANDSCAPE CONTRACTORS INC.

www.kingsvalleylandscape.com

THE ROYAL LANDSCAPING SOLUTION

FAMILY OWNED BUSINESS SERVING THE GREATER TORONTO AREA SINCE 2001

LEADERS IN:

DRIVEWAYS • WALKWAYS
FRONTYARD DESIGN
BACKYARD DESIGN • PATIOS



OUR SERVICES

PROUDLY SERVING THE GTA.
ALL OUR WORK COMES WITH
A SATISFACTION GUARANTEE.
FROM FLAGSTONE TO
NATURAL STONE DESIGN,
OUR TEAM DOES IT ALL.

LANDSCAPE DESIGN
INTERLOCK
CONCRETE

FLAGSTONE
NATURAL STONE DESIGN
RETAINING WALLS

CONTACT US

KINGS VALLEY LANDSCAPE CONTRACTORS
3230 KING VAUGHAN ROAD, UNIT #1, MAPLE, ON L6A 2A9

► **TOLL FREE** 1-844-857-5464
► **WEBSITE** kingsvalleylandscape.com

► **LOCAL**
► **EMAIL**

905-833-5988
info@kingsvalleylandscape.com



**FREE ESTIMATE
& DESIGN CONSULTATION**

KINGS VALLEY

PAVING INC

www.kingsvalleypaving.com

THE ROYAL PAVEMENT SOLUTION

INSTALLING NEW ASPHALT FOR DRIVEWAYS & ROADWAYS. ALL PROJECTS
COMPLETED ON TIME, WITHIN BUDGET. FAMILY OWNED BUSINESS SERVING
THE GREATER TORONTO AREA SINCE 1977.

LEADERS IN:

COMMERCIAL • RESIDENTIAL
INDUSTRIAL



OUR SERVICES

SERVING THE GTA FOR OVER
30 YEARS. ALL PAVING INCLUDES
OUR WARRANTY. WE ALSO OFFER
CUSTOM INTERLOCKING WORK,
NATURAL STONE & FLAGSTONE,
AS WELL AS HYDROVACUUM
EXCAVATION SERVICES

ASPHALT PAVING
INTERLOCK & STONE
ASPHALT MAINTENANCE

LANDSCAPING
HYDROVAC EXCAVATION

CONTACT US

KINGS VALLEY PAVING
3230 KING VAUGHAN ROAD, UNIT #1, MAPLE, ON L6A 2A9

► **TOLL FREE** 1-844-857-5464
► **WEBSITE** kingsvalleypaving.com

► **LOCAL**
► **EMAIL**

905-833-5988
info@kingsvalleypaving.com



**FREE ESTIMATE
& DESIGN CONSULTATION**



game changer

Photo via CreateTO.

TORONTO TO BUILD \$250 MILLION STUDIO COMPLEX, MARKING BIGGEST PRODUCTION INDUSTRY INVESTMENT IN TWO DECADES

Courtesy of the City of Toronto

Hackman Capital Partners (HCP) and its affiliate The MBS Group (MBS) will develop and operate the Basin Media Hub; a \$250 million, purpose-built, state-of-the-art film, television and digital media hub to be located on an 8.9-acre waterfront development parcel in Toronto's Port Lands, located at 29, 35, 41 Basin St.

The HCP-MBS proposal approved by CreateTO last month and City Council last week includes eight purpose-built sound stages, production office space, along with workshop and production support space. This \$250 million investment in the development will be one of the most significant contributions to Toronto's film and television production ecosystem in more than two decades. In addition to providing much-needed studio and production space within the city, the proposed development will provide the opportunity for HCP-MBS

to partner with the City to deliver a public promenade along the water's edge, helping to further transform this area of the Port Lands into a healthier and more liveable space for workers and visitors alike. The Basin Media Hub presents an important opportunity to support the ongoing development of Toronto's film industry and the Media City District. After completion of the construction phase, the expected economic impact of on-going film studio operations includes \$280 million in economic activity, \$119 million in net contribution to GDP and \$32 million in tax revenues across all levels of government. After completion of the construction phase, the expected economic impact of on-going film studio operations includes \$280 million in economic activity, \$119 million in net contribution to GDP and \$32 million in tax revenues across all levels of government.



The partnership is expected to create 750 jobs on-site as well as 880 indirect or induced jobs in the broader community. Construction is planned to begin on the Basin Media Hub by 2023. Through its proposal, HCP-MBS has committed to establishing a Basin Media Hub endowment for a local training program with a \$1 million initial investment and funding for a Program Coordinator. HCP-MBS will provide training space onsite and support site visits, talks and work experience opportunities for local schools in order to promote a diverse range of careers in the film industry and support training and jobs for people from equity-seeking groups. The training program will be managed by MBS University (MBSu), a division of MBS that has a wealth of experience in creating customized programs for hands-on practical crew training. HCP-MBS has also committed to establishing a \$1 million fund to support and encourage Canadian content creation. The HCP-MBS partnership was selected through a competitive market offering process launched by CreateTO, on behalf of the City, in 2020 and concluded in 2021. HCP is a privately-held real estate investment and operating company that specializes in buying, renovating and re-imagining commercial, vintage industrial and studio properties. MBS is an industry-leading studio operations, production services and studio-based equipment provider.





Photo via CreateTO.

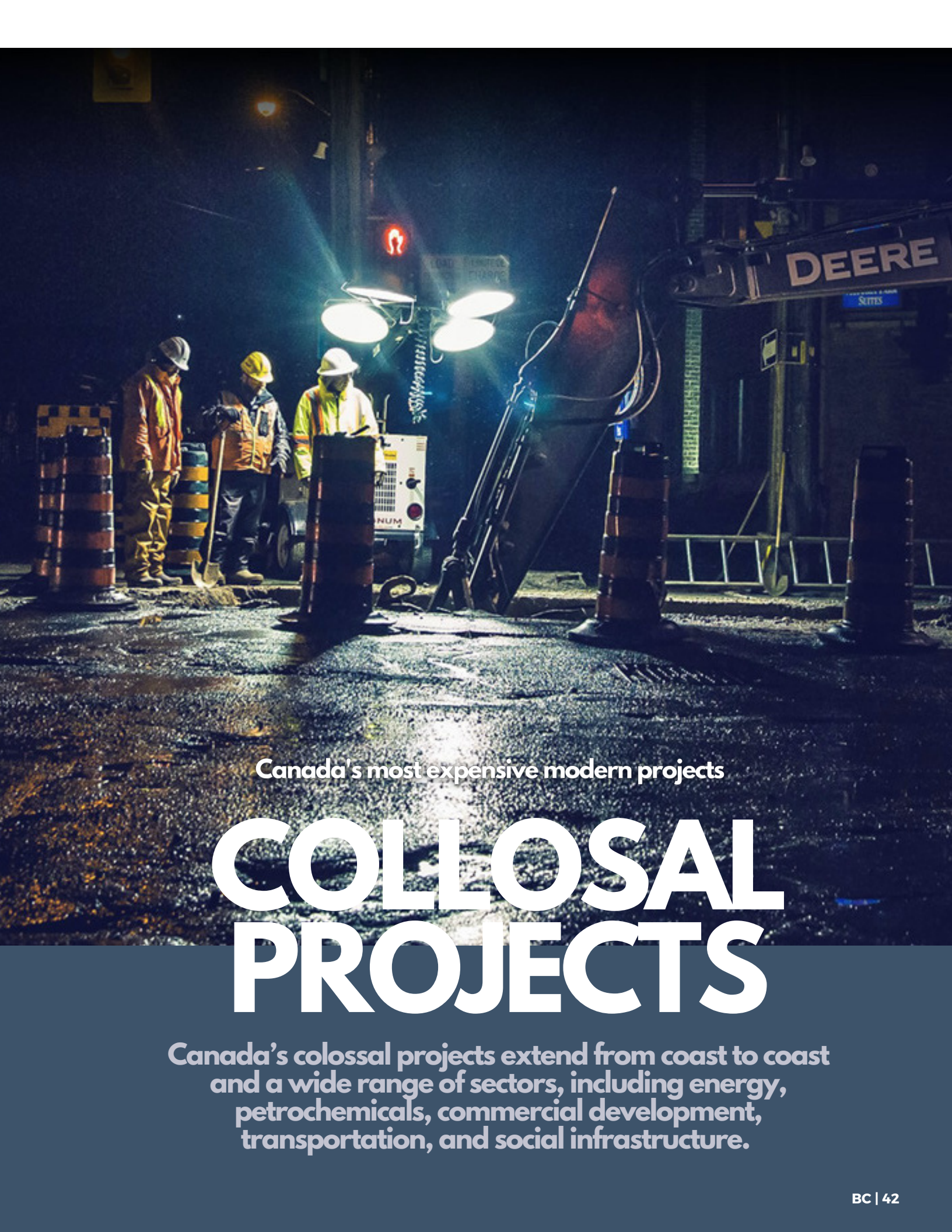
“The development of the Basin Media Hub in the heart of the Media City District will help us increase production capacity in the film, television and digital media sector, create new jobs and employment training opportunities and further enhance our ability to attract and retain production investment from around the world. This is a major investment in the future of Toronto’s screen industry and I look forward to seeing this \$250 million project get underway – it will help ensure that our city comes back stronger than ever,” says Mayor John Tory.

“CreateTO implemented a multi-stage offering process to select the proponent for the Basin Media Hub and the proposal submitted by Hackman Capital Partners and The MBS Group represents a tremendous opportunity for the City. The development of this studio complex signifies a major step forward in the continued revitalization of the Port Lands and is the kind of city building CreateTO is mandated to do. This is an exciting addition to Toronto’s east end and I look forward to its completion,” says Steven Trumper, Chief Executive Officer, CreateTO. ♦



Photo via CreateTO.





Canada's most expensive modern projects

COLLOSA PROJECTS

Canada's colossal projects extend from coast to coast and a wide range of sectors, including energy, petrochemicals, commercial development, transportation, and social infrastructure.

\$16 BILLION SITE C CLEAN ENERGY PROJECT

TBC Hydro's Site C Clean Energy Project will be a third dam and hydroelectric generating station on the Peace River in northeast B.C. It will provide 1,100 megawatts (MW) of capacity, and produce about 5,100 gigawatt hours (GWh) of electricity each year — enough energy to power the equivalent of about 450,000 homes per year in B.C.

As the third project on one river system, Site C will gain significant efficiencies by taking advantage of water already stored in the Williston Reservoir. This means that Site C will generate approximately 35 per cent of the energy produced at W.A.C. Bennett Dam, with only five per cent of the reservoir area. British Columbia Premier John Horgan says completing the Site C dam is in the best interests of residents, despite the project's price tag ballooning to \$16 billion and a completion date stretching to 2025.



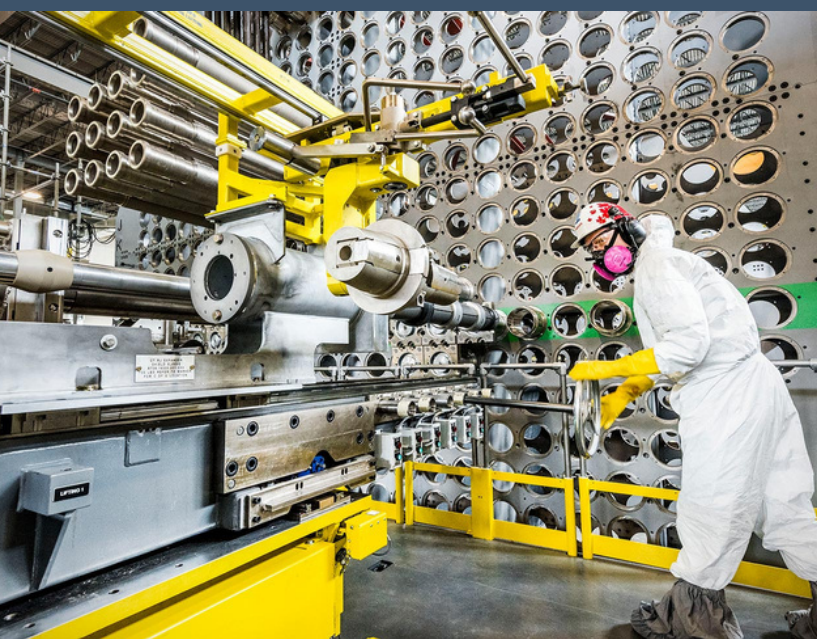


\$13 BILLION BRUCE POWER



Bruce Power Refurbishment Project will overhaul all the units of the 6.2GW Bruce nuclear generating station, which is the largest nuclear power plant in Canada. The facility was constructed by Ontario Hydro between 1970 and 1987. Bruce Power Limited Partnership, which consists of OMERS-Ontario Municipal Employees Retirement System, Power Workers' Union, Society of United Professionals and TC Energy (formerly TransCanada Corporation), signed a long-term lease agreement with Ontario Power Generation (OPG) in 2001 to operate the plant.

Bruce Power entered into the Bruce Power Refurbishment Implementation Agreement (BPRIA) with the government of Ontario in 2005 to restart Units 1 and 2, which had been shut down by Ontario Hydro, and refurbish the entire plant in phases. The agreement aims to extend the life of Bruce nuclear generating station's CANDU reactors to 2064.



The refurbishment of the four CANDU reactors at the Darlington nuclear power plant in Canada has now passed the midway point with work beginning at unit 1, Ontario Power Generation (OPG) announced. Unit 2 returned to service in June 2020 following its refurbishment, while work on unit 3 began in September 2020. "The refurbishment team's successful track record on units 2 and 3, combined with detailed planning for unit 1, position us well for continued success," said OPG Senior Vice President for Nuclear Refurbishment Subo Sinnathamby.



\$12 BILLION MUSKRAT FALLS PROJECT

The lower Churchill River is one of the most attractive hydroelectric resources in North America and is a key component of the province's energy resource portfolio. The project's two sites at Muskrat Falls and Gull Island have a combined capacity of over 3,000 megawatts (MW).

With the completion of the Muskrat Falls Project, Newfoundland and Labrador will be a leader in clean energy. It is estimated that power from the project can displace three to four megatonnes of carbon dioxide annually from thermal generating facilities. This will reduce greenhouse gas emissions and the carbon footprint throughout Northeastern Canada and the United States – equivalent to taking almost one million cars off the road for one year.

The Muskrat Falls Project includes construction of an 824 megawatt (MW) hydroelectric generating facility, over 1,600 km of transmission lines across the province and associated electrical equipment. In addition, EmeraNL has constructed the Maritime Link between Newfoundland and Nova Scotia. The province's public utility, Newfoundland and Labrador Hydro, will now borrow \$1 billion. The debt will be guaranteed by the federal government, which means being able to optimize Ottawa's AAA credit rating, at a time when interest rates are already low.



\$11.9 BILLION EGLINTON CROSSTOWN LRT

The Eglinton Crosstown is a light rail transit line that will run along Eglinton Avenue between Mount Dennis (Weston Road) and Kennedy station. This 19-kilometre corridor will include a 10-kilometre underground portion, between Keele Street and Laird Drive. The Crosstown will have up to 25 stations and stops. It will link to 54 bus routes, three subway stations and various GO Transit lines. The Crosstown will provide fast, reliable and convenient transit by carrying passengers in dedicated right-of-way transit lanes separate from regular traffic.

The vehicles will use the PRESTO proof-of-payment system and will have multiple entrances and low floors to ensure fast and accessible boarding. Light rail vehicles can travel as fast as 80km/hr. However, actual speed is determined by the spacing of the stops and the speed limits of surrounding traffic.

The projected ridership of the Crosstown is 5,500 passengers per hour in the peak period per direction by 2031. The capacity of the Crosstown vehicles is 15,000 passengers per hour per direction. Cars can be removed or added easily, thus providing the flexibility to accommodate ridership demands. Light rail transit is a proven technology that is used around the world, including extremely cold places such as Edmonton, Calgary and Minneapolis.



\$16 BILLION GORDIE HOWE BRIDGE

The Gordie Howe International Bridge project is the largest and most ambitious bi-national infrastructure project along the Canada-United States border. It will provide for the safe, efficient and secure movement of people and goods across the Detroit River to support the economies of Ontario, Michigan, Canada and the United States. This project will provide an additional crossing option at one of the busiest Canada-U.S. commercial border crossings. The bridge will be publicly owned by both Canada and Michigan, and delivered by Windsor-Detroit Bridge Authority through a public-private partnership (P3).

The construction of the Gordie Howe International Bridge will directly create thousands of jobs in Ontario and Michigan. It is anticipated that local businesses will supply goods and raw materials during construction, which will provide regional economic benefits and additional employment opportunities in the area. Many permanent jobs will be created for the operation and maintenance of the bridge and Ports of Entry once open. With direct connections to Ontario's Highway 401 and Michigan's Interstate 75, the bridge will provide the capacity to increase trade and encourage investment between Canada and the U.S., supporting the largest bilateral trading relationship in the world.



\$5.6 BILLION HURONTARIO LRT

The Basin Media Hub presents an important opportunity to support the ongoing development of Toronto's film industry and the Media City District. After completion of the construction phase, the expected economic impact of ongoing film studio operations includes \$280 million in economic activity, \$119 million in net contribution to GDP and \$32 million in tax revenues across all levels of government. The partnership is expected to create 750 jobs on-site as well as 880 indirect or induced jobs in the broader community. Construction is planned to begin on the Basin Media Hub by 2023.

Through its proposal, HCP-MBS has committed to establishing a Basin Media Hub endowment for a local training program with a \$1 million initial investment and funding for a Program Coordinator. HCP-MBS will provide training space onsite and support site visits, talks and work experience opportunities for local schools in order to promote a diverse range of careers in the film industry and support training and jobs for people from equity-seeking groups. The training program will be managed by MBS University (MBSu), a division of MBS that has a wealth of experience in creating customized programs for hands-on practical crew training.



\$2.4 BILLION PROJECT HORIZON

The Basin Media Hub presents an important opportunity to support the ongoing development of Toronto's film industry and the Media City District. After completion of the construction phase, the expected economic impact of ongoing film studio operations includes \$280 million in economic activity, \$119 million in net contribution to GDP and \$32 million in tax revenues across all levels of government. The partnership is expected to create 750 jobs on-site as well as 880 indirect or induced jobs in the broader community. Construction is planned to begin on the Basin Media Hub by 2023.

Through its proposal, HCP-MBS has committed to establishing a Basin Media Hub endowment for a local training program with a \$1 million initial investment and funding for a Program Coordinator. HCP-MBS will provide training space onsite and support site visits, talks and work experience opportunities for local schools in order to promote a diverse range of careers in the film industry and support training and jobs for people from equity-seeking groups. The training program will be managed by MBS University (MBSu), a division of MBS that has a wealth of experience in creating customized programs for hands-on practical crew training.





build-canada.ca