

buildingSMART Canada

NEWSLETTER



**SPRING
2025**

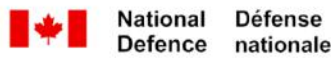
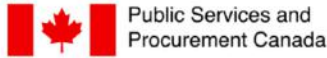


MESSAGE FROM bSC
bSC MEMBERS
bSC NATIONAL SUMMIT
CERTIFICATION
bSI UPDATES
bSC MEMBERS



THANK YOU MEMBERS

Innovator



Organization



bSI Members supporting Canada



THIS ISSUE

MESSAGE FROM bSC
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A NOTE FROM THE CEO

**IN A WORLD OF
UNCERTAINTY
INFORMATION IS
POWER, THE KEY TO
RESILIENCE AND
MEANS TO GROW**

We have entered times of global uncertainty and shifting trade dynamics, Canada's built asset industry must take charge of its future. Strong information management is no longer a luxury, it is essential for resilience, efficiency, and sustained growth.

openBIM, standardized workflows, and data-driven decision-making will empower us to navigate disruption. We have the expertise, the talent, and the vision to lead this transformation.

Now is the time to harness our collective knowledge and drive meaningful progress.

Claudia Cozzitorto





WHAT'S HAPPENING IN CANADA

THE NATIONAL bSC SUMMIT IS TAKING
PLACE IN CONJUNCTION WITH THE
NATIONAL GEOSPATIAL CONFERENCE

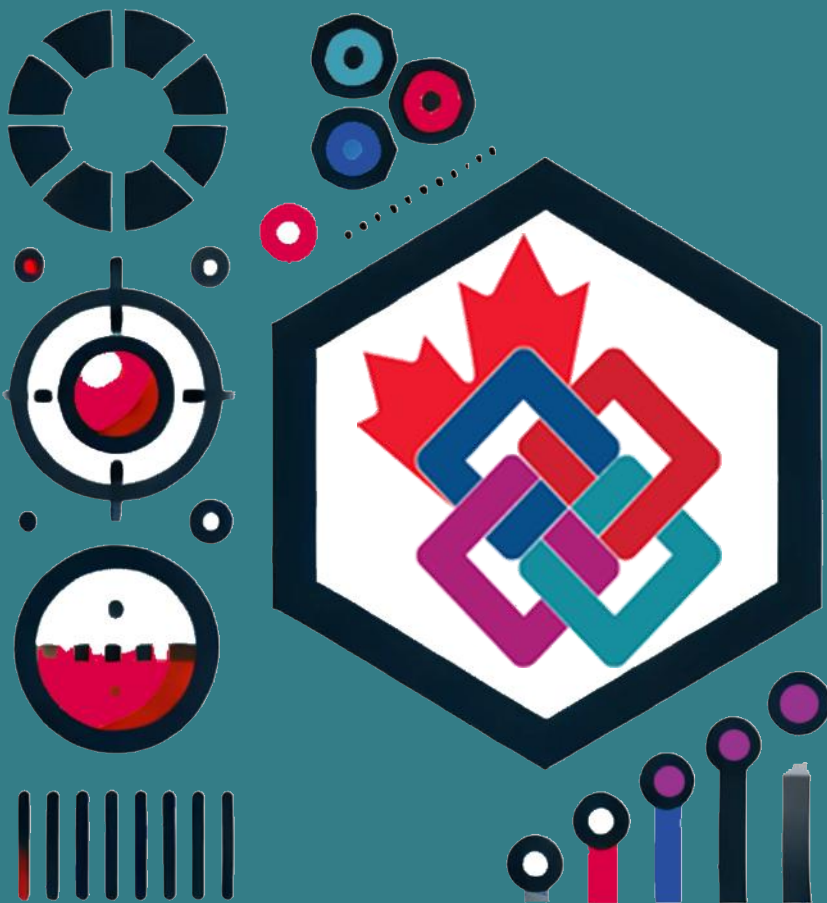
MAY 12-14
OTTAWA



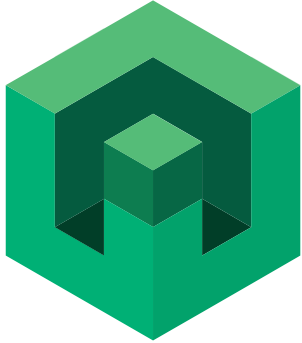


NATIONAL SUMMIT 2025

AT  **GeoIgnite**
OTTAWA 2025
MAY 12-14



THANK YOU TO OUR SUMMIT SPONSORS



Archistar

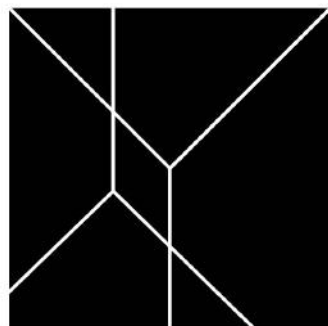
Global 
eTraining



CONSTRUCTION

 **EllisDon**

THANK YOU TO OUR SUMMIT SPONSORS



Carleton
Immersive
Media
Studio



**bSC Connect
The National Summit
Experience**

+

**National Geospatial
Leadership
Conference**

SCHEDULE AT A GLANCE



Monday May 12

BIM & GIS:
Smarter Data, Smarter Decisions
Steven Spry
9:30-11:30am

Achieving BIM Excellence:
bSC Foundational Certification and ISO 19650 Compliance
Adam Wilson & Steven Mahaney
12:30-2:30pm

BIM-GIS Integration Workflow
with open-source tools
Nicolas Arellano & Ken Percy
3:00-5:00pm

Geolgnite Workshops
Canada's Geospatial Future: Innovation & Self-Reliance

Lunch & Learn

Open Canada Forum
1:00-4:00pm

Geolgnite 2025 Networking Event & Panel Discussion:
Navigating the Future of the Geospatial Industry in a Shifting Global Landscape

Tuesday May 13

Geolgnite – bSC Co-Chair
Plenary
8:20am – 4:30pm

Morning Site Tour
Presentation & site walk through of
Centre Block Rehabilitation
EY Centre-4899 Uplands Drive
8:30am-12:00pm

bSC Booth at the Tradeshow & BIM Exhibition
7:30am – 6:00pm

Afternoon Site Tour
Presentation & site walk through of
Centre Block Rehabilitation
EY Centre-4899 Uplands Drive
12:30pm-4:00pm

Geolgnite Conference Social
4:30pm – 6:00pm
in the tradeshow

bSC Networking Party
Canada Science & Technology Museum
1867 St Laurent Blvd, Ottawa
7:00pm-9:00pm

Wednesday May 14

buildingSMART Canada Track
Empowering the Digital Workforce
9:00am – 3:30pm

bSC Booth at the Tradeshow & BIM Exhibition
8:00am – 3:30pm

End of Show
Group Photo
3:30pm – 4:00pm

TRAINING WORKSHOPS



MONDAY MAY 12 2025



THE IMPORTANCE OF TRAINING

Boosting productivity in the AECOOM industry requires more than just new technologies—it demands a skilled workforce ready to implement openBIM, AI, and standardized workflows effectively. Training is essential to overcoming fragmented processes, poor data interoperability, and slow digital adoption.

By equipping professionals with the knowledge to leverage BIM, GIS integration, and ISO 19650, organizations can enhance collaboration, efficiency, and resilience. A well-trained workforce not only works smarter but also drives innovation and industry-wide transformation.

Join us at the buildingSMART Canada National Summit to explore how training can empower the digital workforce and unlock new levels of productivity.

MONDAY MAY 12, 2025

9:30-11:30AM

BIMXCEL



BIM + GIS

SMARTER DATA, SMARTER DECISIONS



Steven Spry

Join us for BIM & GIS: Smarter Data, Smarter Decisions, a foundational workshop designed to clarify the role of Building Information Modeling (BIM) in the geospatial landscape. Discover why BIM matters to GIS professionals and how the convergence of Digital Twins, BIM, and GIS is transforming industries. This workshop will demystify their differences and provide professionals with the knowledge to leverage both technologies effectively. Transform your workflows, integrate with confidence, and prepare your department for the future of geospatial innovation.

Learning Outcomes:

1. BIM & GIS Fundamentals – Understand the core concepts, differences, and synergies between BIM and GIS in spatial planning and infrastructure management.
2. Learn how organizations like OGC are advancing BIM-GIS integration through interoperability standards, enabling seamless data exchange.
3. Smarter Decision-Making – Apply BIM and GIS insights to improve geospatial analysis, asset management, and infrastructure planning.

MONDAY MAY 12, 2025

12:30-2:30PM

SOLIDCAD
EllisDon



bSC CERTIFICATION & ISO 19650 COMPLIANCE



Adam Wilson



Steven Mahaney

Join SolidCAD and EllisDon for an in-depth overview of the buildingSMART Certification plus additional information on ISO 19650 compliance and BIM Executive Management using Plannerly. All stakeholders in the construction and real estate industry who are engaged with BIM activities at some level.

Learning Outcomes:

1. Certifications and Learning Path: Understand the structure and benefits of the bS Certification course.
2. Gain insights into the importance of ISO standards in the BIM industry, with a focus on ISO 19650.
3. Learn about the advantages of openBIM and how it promotes interoperability and collaboration in the construction industry.
4. Discover how Plannerly can streamline BIM management and enhance project efficiency.

-60 min training – SolidCAD
-30 min presentation – EllisDon
-30 min Q+A / Discussion

MONDAY MAY 12, 2025

3:00-5:00PM



BIM-GIS INTEGRATION WORKFLOW WITH OPEN-SOURCE TOOLS



Nicolas Arellano

Ken Percy

The workshop begins with IFC model preparation using BonsaiBIM, where participants will learn to create or modify an IFC model enriched with precise geospatial data, including longitude, latitude, and elevation and potentially export the geometry to glTF for web integration. Next, the focus shifts to spatial data transformation in the free and open-source software QGIS, where attendees will position the IFC models, match building footprints, and convert digital elevation models (DEM) into GeoJSON for topline data.

Learning Outcomes:

1. By the end of the workshop, attendees will gain practical skills in geospatial data manipulation, cross-platform BIM-GIS integration, and modern spatial technology workflows.
2. This session is ideal for those looking to bridge the gap between architectural modeling and geographic information systems, empowering them to harness the potential of open-source tools for innovative spatial solutions.

Tickets sold separately and as bundles

EARLY BIRD pricing for a limited time, use code: bSCConnect20

[BUY YOUR TICKETS](#)

OUT & ABOUT



TUESDAY MAY 13 2025



THE VALUE OF REAL-LIFE CASE STUDIES

Understanding digital transformation goes beyond theory—real impact is best seen in action. Site tours provide invaluable insights into how BIM is applied.

By witnessing successful implementations firsthand, professionals gain a deeper understanding of best practices, challenges, and solutions in real-world scenarios. These experiences bridge the gap between innovation and execution, inspiring practical adoption across the industry.

THE POWER OF COLLABORATION

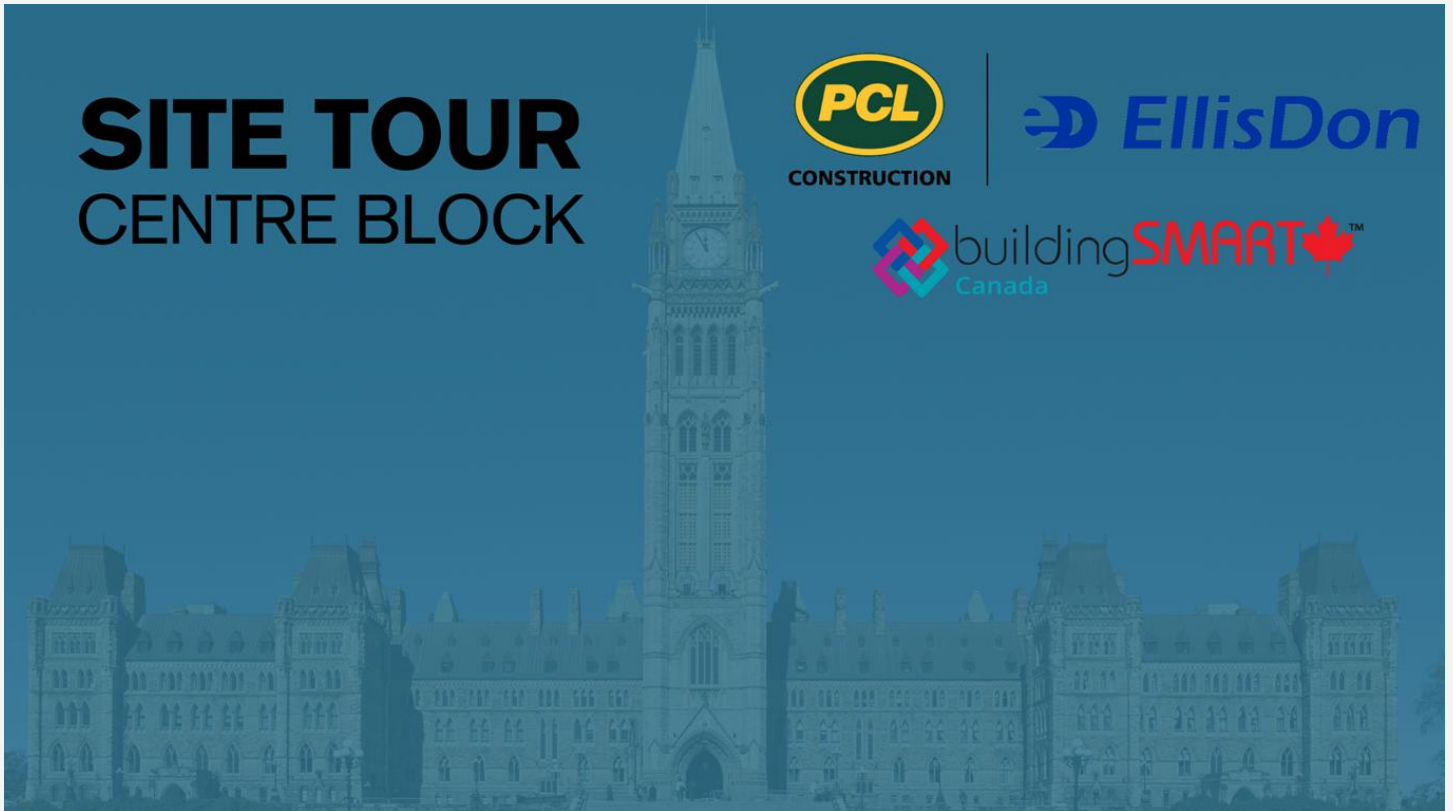
Progress in the built environment doesn't happen in isolation. Networking and collaboration are essential for sharing knowledge, exchanging ideas, and building partnerships that drive innovation. Engaging with peers, industry leaders, and technology experts helps professionals stay ahead of emerging trends and unlock new opportunities.

Join us at the buildingSMART Canada National Summit to gain valuable industry connections that will help shape the future of digital transformation.

SITE TOUR: CENTRE BLOCK REHABILITATION

TUESDAY MAY 13, 2025

MORNING & AFTERNOON



PCL-EllisDon use the latest technology available to streamline processes, provide the project teams with accurate data and define workflows that replace previous methods of data transfer on Centre Block Rehabilitation.

Morning - 8:30am to 12:00pm
Afternoon - 12:30pm - 4:00pm

Place - Description

- Site Office - Sign in, Safety & Orientation
- Site Office - VDC Presentation with Q&A
- Site Tour prep - PPE suit up
- Site Tour - Levels 1-6 (House, Senate, HoH)
- Site Tour Complete - Sign out

Tickets sold separately and as bundles

EARLY BIRD pricing for a limited time, use code: bSCConnect20

[BUY YOUR TICKETS](#)

NETWORKING PARTY

TUESDAY MAY 13, 2025

EVENING



 **Archistar**  **buildingSMART** 

NETWORKING PARTY

Canada Science & Technology Museum
1867 St Laurent Blvd, Ottawa
May 13 2025 - 7-10pm

Join us for an exclusive Networking Party at the Canada Science & Technology Museum.

This is your chance to connect with industry leaders, innovators, and peers in a dynamic setting that celebrates the intersection of technology and the built environment.

Enjoy great conversations, refreshments, and a unique atmosphere surrounded by cutting-edge exhibits.

Whether you are looking to expand your professional network or engage in insightful discussions about the future of digital transformation, this event is not to be missed.

EARLY BIRD PRICING FOR A LIMITED TIME
Additional 20% off using code: **bSCConnect20**

BUY YOUR TICKETS

bSC NATIONAL SUMMIT

WEDNESDAY MAY 14 2025





**WE ARE EXCITED
TO BE AT
GEOIGNITE
AGAIN!**



buildingSMART Canada attendees save an additional 20%.
Use code: bSC_OTT2025

GET YOUR TICKETS to the Geognite Conference



Keynote

9:00am

As the built asset industry embraces digital transformation, the integration of BIM technologies is redefining how we manage the built environment.

While BIM facilitates data-rich 3D modeling during design and construction, Digital Twins extend this functionality into operations, enabling real-time insights and lifecycle optimization. Attendees will gain insights into buildingSMART Canada's initiatives supporting this integration, its alignment with global standards, and the interoperability frameworks essential for connecting BIM data with Digital Twin platforms.



Securing BIM Data

9:20am

While BIM and openBIM standards, such as the IFC, have improved interoperability and data exchange, challenges remain in verifying data at the object level.

This presentation explores the potential of digital signatures as a solution to enhance trust, transparency, and traceability in BIM workflows. By securely signing BIM objects, digital signatures can ensure data integrity, authenticate contributors, and create a verifiable record of model changes. Additionally, the session will highlight how integrating digital signatures within IFC-based BIM processes can support compliance, reduce legal disputes, and improve collaboration across stakeholders.

The Roadmap for the Digitalization of National Construction Codes and Development of a National Common Data Framework

Farzad Jalaei
Research Officer- Digital
Construction Practices Lead
National Research Council Canada

David Minicola
Project Manager
National Research
Council Canada

National Research Council Canada / Conseil national de recherches Canada

NRC DCP Roadmap

9:40am

This session unveils the findings of this groundbreaking report, which builds on international research and best practices in digital construction from countries leading in BIM and data standards.

It will highlight the development of a National Common Data Framework, emphasizing its role in standardizing data management, enhancing BIM compatibility, and enabling interoperability within Common Data Environments (CDEs). By showcasing practical applications and referencing international research and OpenBIM principles, the session will explore how these strategies streamline workflows, improve collaboration, and future-proof Canada's built environment.

Developing Information Requirements for National Defence

Ozge Kuden
BIM & Lifecycle Management
Defence Construction Canada

DEFENCE CONSTRUCTION CANADA / CONSTRUCTION DE DÉFENSE CANADA

How to become a knowledgeable owner in the Digital World?

10:00am

The presentation focuses on the challenges of applying ISO 19650 to DND and DCC, examining the current status and progress, as well as the obstacles still faced.

It highlights the key challenges of becoming a knowledgeable owner while aligning National Defence practices with ISO19650, with support from other stakeholders and partners through research, innovation, and collaboration. The importance of OpenBIM in this context is emphasized, as it plays a critical role in fostering interoperability and improving data management.



Future Trends & Opportunities with Spatial Data 11:15am

2025 has seen dramatic shifts. This session is intended as an interactive conversation to begin the hard work that will be

required for the Canadian spatial community to find its voice in upcoming national action plans to respond to a new world order. New trading and tariff instruments are being considered; national security and defense concerns have come to the fore; and the technology, data and information's rise continues with guardrails that are being dismantled before they are even put up.



Enhancing Municipal Planning 12:15pm

How can municipalities harness digital tools and data-driven approaches to improve urban planning and decision-making?

This session will highlight case studies from the City of Vancouver and other municipalities, showcasing how technology is being used to streamline development approvals, optimize land use, and support evidence-based planning. Archistar will share insights into how municipalities are leveraging geospatial analysis, zoning automation, and digital workflows to improve efficiency and community outcomes.



Digital Twin in Canada

2:00pm

Digital Twins hold enormous potential for the buildings and infrastructure sectors, but their implementation faces key challenges. What is a Digital Twin?

The industry lacks a clear consensus, leading to misinformation and confusion. While Digital Twins can scale, not every project requires every possible capability—so how do we manage this effectively? In response to these challenges and opportunities, buildingSMART Canada (bSC) is launching the Digital Twin Domain, a strategic initiative to guide the development, standardization, and adoption of Digital Twins across Canada.



Does Canada need a BIM Mandate?

12:45pm

As digital transformation reshapes the global construction industry, many countries have implemented BIM mandates to drive standardization,

efficiency, and improved project outcomes. But does Canada need one? Join us for a dynamic discussion on the potential benefits, risks, and practical considerations of a BIM mandate in Canada. What can we learn from global experiences? How do we balance innovation, compliance, and market readiness? And ultimately, what path should Canada take to support the future of digital construction?



For the second time, we have partnered with Geomatics Canada to bring together Canada's best content and people from the Geomatics and Building Information Modelling communities.

Geolgnite is Canada's premier geospatial leadership conference, held annually in Ottawa. The event showcases Canada's leadership in geomatics, emphasizing its crucial role in addressing global challenges such as urban planning, climate resilience, and sustainable development. Geolgnite is dedicated to presenting the future of geomatics and location technologies. It fosters a deeper understanding of emerging trends, highlights cutting-edge innovations, and creates a platform for collaboration and knowledge exchange.

The event attracts a diverse audience from public sector, private sector, and academia. By bringing the Geomatics and BIM communities together, the event's shared knowledge is expanded, and networking opportunities are abundant.

Geolgnite 2024 attracted 250+ attendees, including executives from federal, provincial, and local governments, as well as private sector leaders and top academics and industry associations. It included 65 speakers and 16 booths which are both expected to grow for Geolgnite 2025.

**buildingSMART Canada attendees save an additional 20%.
Use code: bSC_OTT2025**

[GET YOUR TICKETS to the Geolgnite Conference](#)

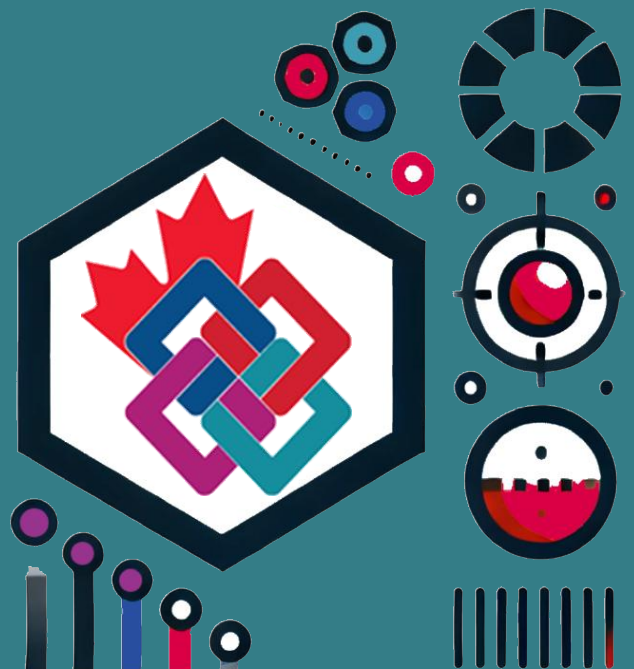


bSC Connect The National Summit Experience

National Geospatial Leadership Conference

[GET YOUR TICKETS to bSC Connect Experience](#)

[GET YOUR TICKETS to the Geoignite Conference](#)



PROFESSIONAL CERTIFICATION

The rapid global adoption of Building Information Modeling (BIM) presents obstacles related to terminology, competency, and consistency. To address these challenges, buildingSMART Canada champions buildingSMART International (bSI) openBIM® standards and provides the bSI Professional Certification program as a benchmark for BIM proficiency. This program benefits professionals, employers, and client organizations within the built asset industry by fostering transparency and maintaining consistency.

The Professional Certification Program supports the standardization of openBIM® training, advocates for international best practices, and raises awareness about buildingSMART and its innovative solutions.

The Foundation level addresses the needs of individuals operating at a basic level. The training helps building owners, designers, consultants, builders and project managers understand the opportunities collaboration within a virtual, openBIM environment offers.



[Learn more about professional certifications](#)

CERTIFIED TRAINING PROVIDERS



[Learn more about professional certifications](#)

BENEFITS FOR LEARNERS:

- **Global Recognition:** Attain internationally recognized certification in openBIM principles.
- **Quality Assurance:** Showcase your competence and expertise in the built asset industry.
- **Up-to-Date Knowledge:** Access standardized training aligned with the latest industry developments and best practices.
- **Structured Evaluation:** Undergo a rigorous testing and qualification process to validate your skills.
- **Flexible Options:** Choose from a wide array of training concepts and specialized areas offered by our extensive network of training partners.
- **Online Certification:** Optional registration of your certificate in an online database for verification.
- **Career Advancement:** Enhance your professional profile and open doors to new opportunities in the global industry.

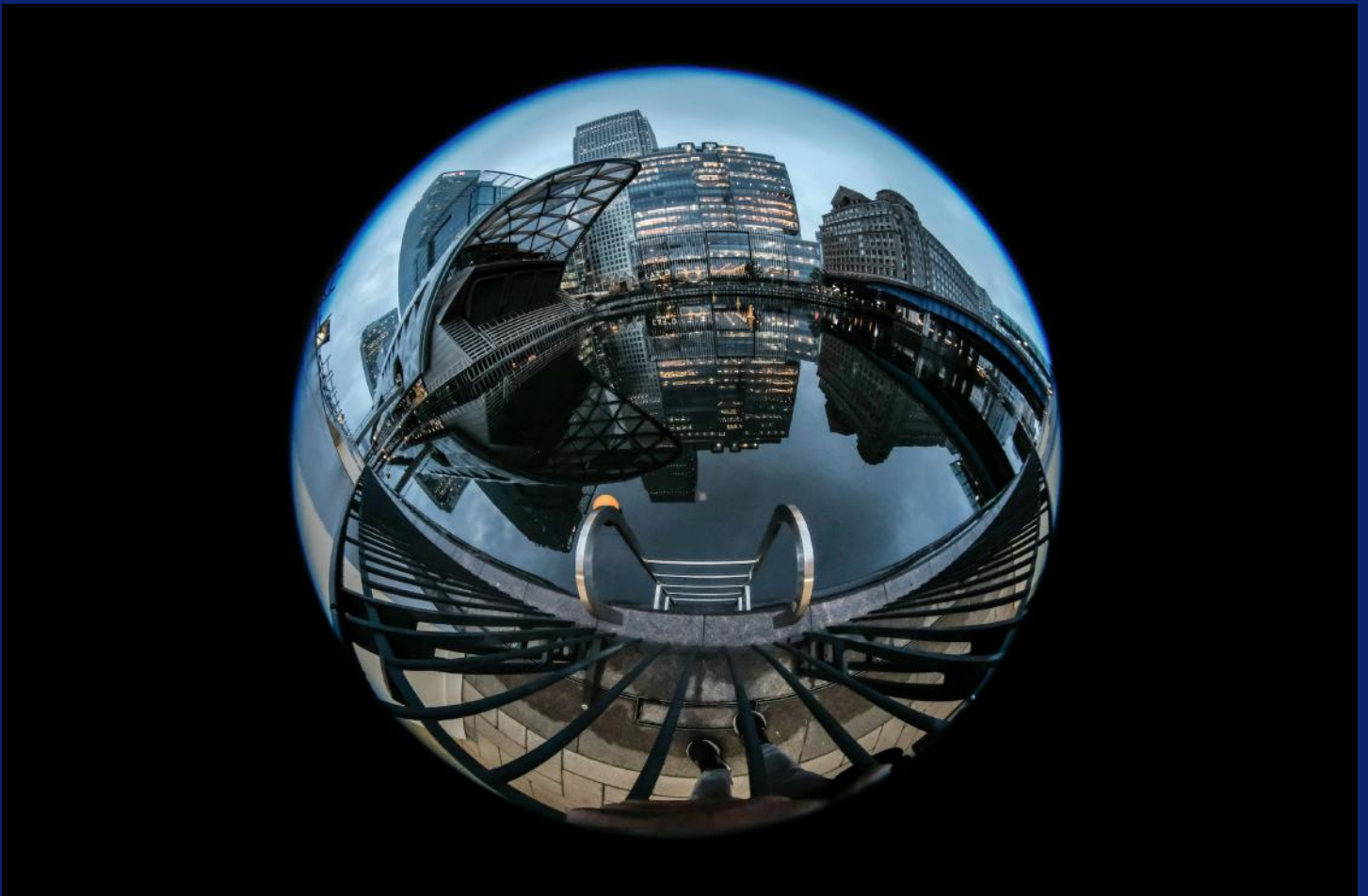


**EVERY BIM EXPERT SHOULD GET
THIS CERTIFICATION.**

AROUND THE WORLD AND BACK



AS A CHAPTER OF AN INTERNATIONAL COMMUNITY,
OUR MEMBERS ARE CONNECTED TOO



openBIM Award Program IS NOW OPEN



Over the years, the award categories have evolved to reflect the dynamic advancements in openBIM practices. Today, the program features 9 distinct categories, each designed to recognize achievements in a specific area and/or phase of a project in the built environment.

The openBIM Awards Program, established in 2014, celebrates openBIM excellence and innovation in the built environment. Over the years, the program has grown steadily, attracting an ever-expanding pool of submissions from around the world. With its international reach, the openBIM Awards continue to recognize projects and teams that demonstrate exemplary use of openBIM standards and services in all phases of a project's lifecycle.

[SUBMISISON GUIDE](#)

[EXPLORE PREVIOUS AWARD WINNERS](#)

Mandating openBIM ensures data is open and available, and directives enable interoperable working methods.



This paper combines a collection of openBIM and Building Information Modeling (BIM) mandates designed to improve the design, construction, operations and maintenance of buildings and infrastructure. These perspectives provide guidance and lessons on activities happening in different countries and some of the benefits these will bring. This playbook, derived from information provided by buildingSMART Chapters, is a living document that will be regularly updated and added to, ensuring you stay informed about the latest developments.

This projects and studies conducted by the Regulatory Domain have included reports on the business case for automated compliance checking.



Regulatory complexity poses a significant challenge to digital transformation in the construction sector, requiring an incremental approach to effective management and a legally compliant digital language. openBIM addresses these concerns by facilitating communication between regulators and industry stakeholders, ensuring compliance with international standards, and supporting the gradual evolution of processes involving rule change and digital platforms.



THE BSC COMMUNITY

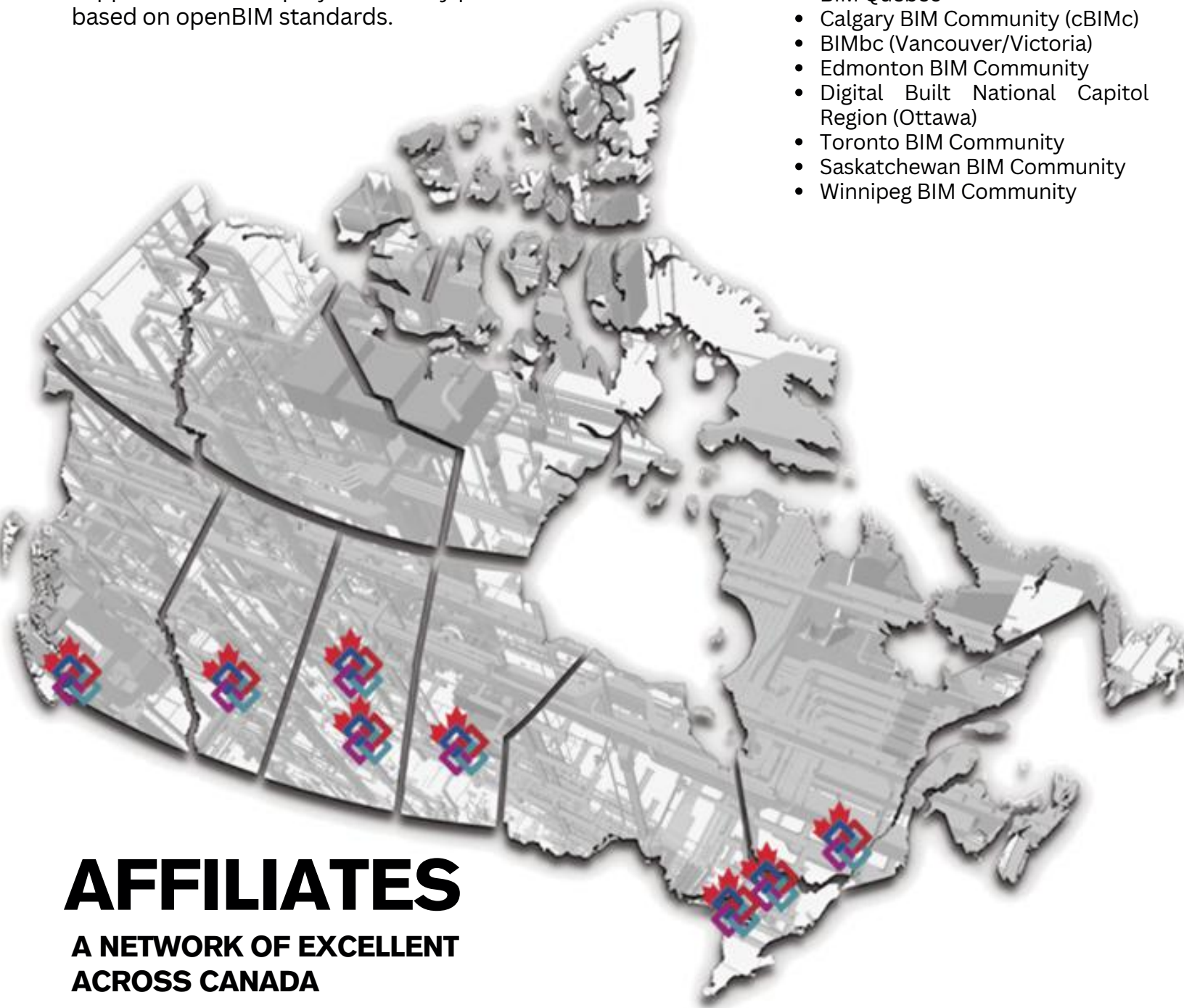
BUILDING A SMARTER CANADA WITH YOU

DON'T FORGET TO ENGAGE WITH YOUR LOCAL AFFILIATE

buildingSMART Canada's affiliate program connects local and regional BIM communities from across the country. United by their goal to build and strengthen the Canadian community for a better built environment, the affiliates help support innovative project delivery practices based on openBIM standards.



- BIM Québec
- Calgary BIM Community (cBIMc)
- BIMbc (Vancouver/Victoria)
- Edmonton BIM Community
- Digital Built National Capital Region (Ottawa)
- Toronto BIM Community
- Saskatchewan BIM Community
- Winnipeg BIM Community



AFFILIATES

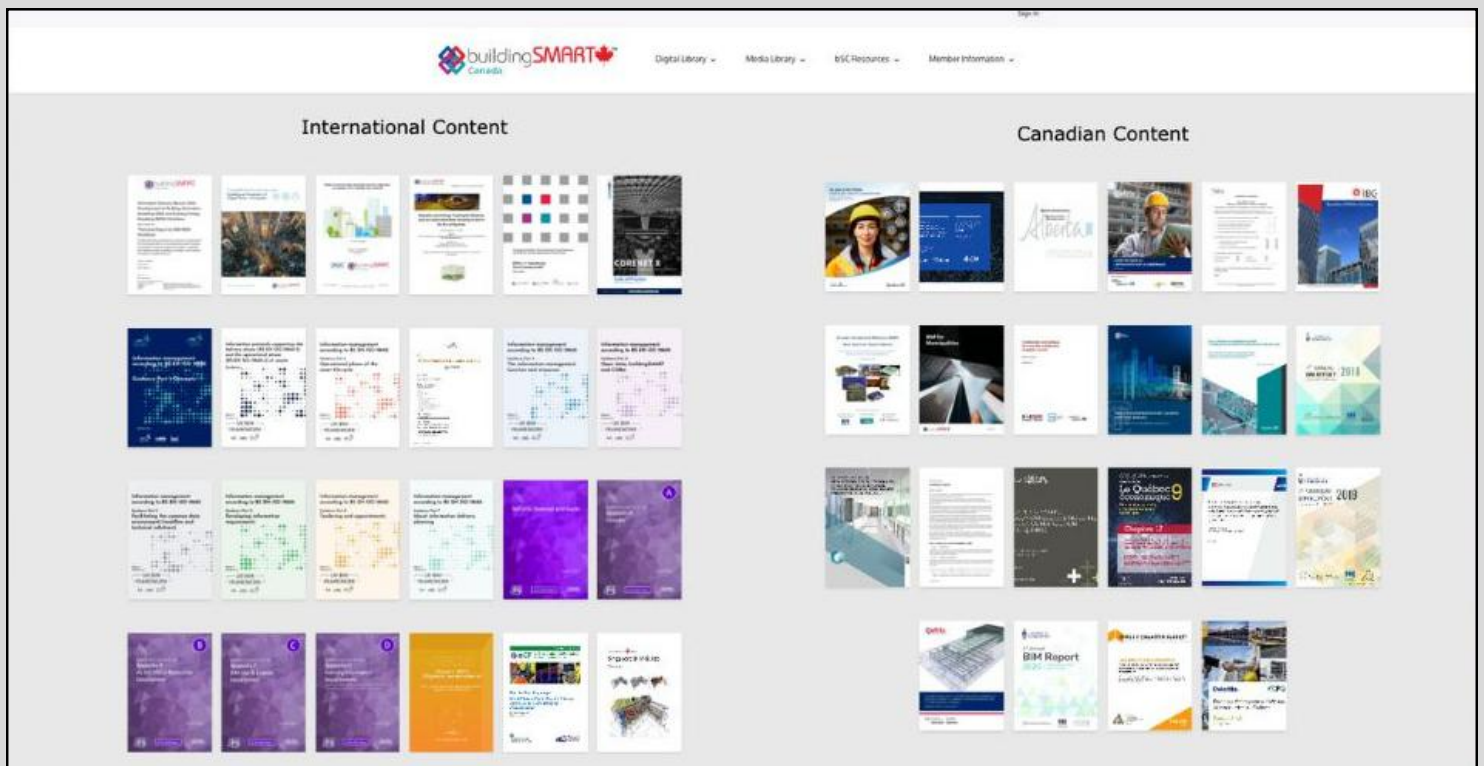
**A NETWORK OF EXCELLENCE
ACROSS CANADA**

MEMBERS GET ACCESS TO THE BSC DIGITAL LIBRARY

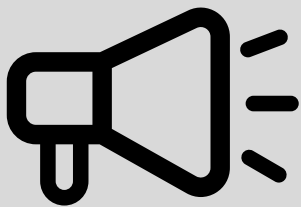
The bSC Digital Library is an exclusive platform with a vast array of digital resources. Members will have access to the latest publications, essential documents and certifications, insightful videos, newsletters, and engaging podcasts tailored specifically for our community.

By becoming a member, you gain access to a wealth of information right at your fingertips. Our Digital Library is designed to enhance your knowledge, support your professional development, and keep you informed about the latest industry trends and standards.

Join bSC today, log in to the Digital Library, and explore, discover, and share the comprehensive resources available to you. Embrace this opportunity to stay ahead in the ever-evolving world of building information modeling (BIM) and digital construction.



MEMBERSHIP PROFILES



buildingSMART Canada supports and serves various industry sectors by providing access to publicly available national and international information on openBIM and BIM Standards through its website.



INDIVIDUAL

An Individual Member is given the opportunity to participate with industry peers in a collaborative environment supporting information sharing, as well as BIM social and technical events. [Click to learn more.](#)



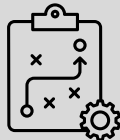
ORGANIZATION

Organizations who want access to curated and exclusive industry publications, resource, and participate in a community that supports interoperability and best practices for the Digitalization of the Built Asset Environment in Canada. [Click to learn more.](#)



INNOVATOR

An Organization to join as an Industry Council Member to engage with peer members, supported within a project delivery framework, to conceptualize, plan, and implement industry sector domain building and infrastructure BIM process and standards. Connect with clients, customers, and users within the industry domains. Build awareness and positive brand recognition through community engagement and marketing opportunities. [Click to learn more.](#)

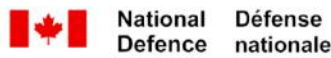


STRATEGIC

A Strategic Organization of buildingSMART Canada wishes to be recognized as a Patron of BIM and an Advocate for the Digitalization of the Built Asset Environment. Connect with clients, customers, and users within the industry domains. Build awareness and positive brand recognition through advanced community engagement and marketing opportunities. [Click to learn more.](#)

THANK YOU MEMBERS

Innovator



Organization

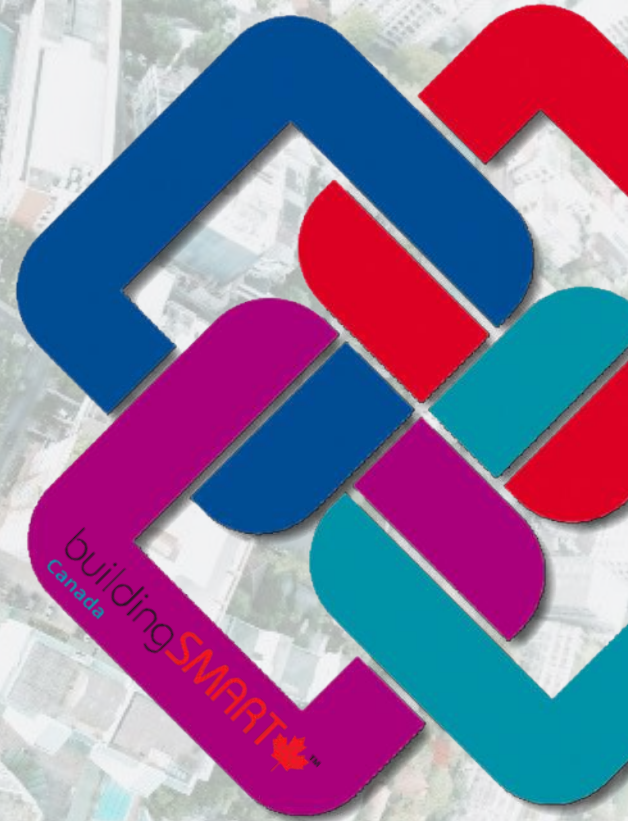


bSI Members supporting Canada



**COLLABORATE.
INNOVATE.
TRANSFORM.**

JOIN TODAY



DON'T MISS OUT!

Be Part of the Movement Defining the
Future of Our Built World



VISIT US ONLINE

www.buildingsmartcanada.ca