

# buildingSMART CANADA NEWSLETTER



**FALL  
2024**

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# Remarks by the President

Dear buildingSMART Canada Members,

As we continue our digital journey, I want to highlight a core belief of buildingSMART: collaboration and community participation are critical to our success. Building a resilient industry depends on each of us coming together, contributing our expertise, and supporting one another in meaningful ways.

The growing adoption of openBIM standards and digital technologies is reshaping how we work, build, and operate. But this transformation cannot happen in isolation. It requires the collective efforts of passionate individuals, organizations, and all levels of government who also believe improvements are needed and that digitalization will support the future of the built environment. Your participation and support are the driving forces behind buildingSMART Canada's mission to lead this change.



**Claudia Cozzitorto**

President, buildingSMART Canada

Becoming a member is more than just staying informed—it's about actively contributing to the movement that is shaping the future. Whether you are involved in developing standards, attending events, sharing knowledge, or supporting the adoption of best practices, your membership makes a difference. Together, we can unlock new possibilities, overcome challenges, and accelerate the digital transformation of our industry.

I encourage all sectors of the government at all levels of government to partner with buildingSMART Canada and lead the industry through this exciting journey.

Thank you for your continued support and commitment to buildingSMART Canada. Let's keep moving forward—together.

Sincerely,

Claudia Cozzitorto  
President, buildingSMART Canada



# buildingSMART Canada Annual BIM Summit 2024 at Canada's National Geomatics Expo 2024



Founded on the idea of community, the GoGeomatics Expo welcomes everyone that is leveraging geospatial data and technology. It is a gathering of thought-leaders, innovators, entrepreneurs, companies, government and education programs that encourages learning and collaboration.

The National Geomatics Expo 2024 is honored to host the National Annual Summit for buildingSMART Canada. The theme of the bSC summit is the Digital Transformation of the Built Environment. This collaboration underscores our commitment to integrating advanced Building Information Modeling (BIM) with geospatial technologies, driving innovation and efficiency in the industry. We are thrilled to work alongside BuildingSMART Canada to bring this pivotal summit to our expo, providing attendees with invaluable insights and networking opportunities.

## **Expo programs:**

- buildingSMART Canada Annual BIM Summit
- Geomatics for the Public Good
- Geospatial AI
- Hydrospatial Advances
- Reality Capture & Digital Twins
- Remotely Piloted Aircraft Systems (RPAS)
- Earth Observation
- Subsurface Utility Engineering Advances
- CanSLAM

## **Activities:**

- Eagle Engineering & Consulting Networking Reception
- GoGeomatics Meetup
- Fast Pitches: Pitch the Press
- The Canada Maps & Poster Gallery
- Career Fair

# 2024 bSC National Summit

buildingSMART Canada (bSC) is pleased to announce its partnership with GoGeomatics Canada to host the bSC Annual Summit during Canada's National Geomatics Expo, taking place from October 28th to 30th in Calgary, Alberta.

The theme of the 2024 summit is the **Digital Transformation of the Built Environment**. This summit will highlight our commitment to integrating advanced Building Information Modeling (BIM) with geospatial technologies, driving innovation and efficiency across the industry. We are proud to collaborate with Canada's National Geomatics Expo to bring you this pivotal event, offering invaluable insights and networking opportunities.

Our mission for the summit is to unite the diverse BIM and geospatial communities, fostering a dynamic environment of learning, networking, and idea exchange.

We are also proud to announce that the summit will include a spotlight on Indigenous engagement initiatives in government infrastructure projects. This focus ensures that knowledge sharing and mentorship are inclusive, promoting diversity and cultural understanding within the industry's evolving landscape.

The event is expected to draw a diverse audience, including policymakers, technologists, academics, and industry stakeholders, who are keen to explore the convergence of these critical industries and advance their impact on Canada's infrastructure and environment.



**October 28th to 30th,**  
**2024**



**Big Four Roadhouse1801**  
**Big Four Trail SE**  
**Calgary, Canada**

#### **Accommodations:**

Hotel Room Block Closes Oct 3rd

Hilton Garden Inn Calgary  
Downtown  
711 4 St. SE Suite A, Calgary, AB  
1-888-728-3027

A limited number of rooms have been reserved. The special rate of \$164 CAD is available until October 1, 2024.

For more information, and to book please visit [the reservation page](#). If you prefer make your reservation by phone, please call the hotel and ask to be part of the GoGeomatics Canada Expo Room Block.

**REGISTER**



## The Traveling Gallery Project

As the world of cartography continues to evolve, a new chapter is unfolding with the [Canada Maps Traveling Gallery project](#). This initiative — a dynamic collaboration among the International Map Industry Association (IMIA), the Canadian Cartographic Association (CCA), and GoGeomatics Canada — builds on the success of last year's National Expo Map Gallery held in Calgary. It promises to inspire audiences across the country with a sweeping tour of cartographic excellence. [Learn More here](#)



**bSC is program is encouraged to submit architectural drawings, posters and visualizations.**

There is not cost. Just get us your posters to hand up.

If you are interested to contribute click: [Canada Maps Traveling Gallery project](#)

## Celebrate Geospatial Leaders with Canada's National Geomatics Awards

Canada's National Geomatics Expo Awards are a great opportunity to recognize the people and organizations making a difference in the geomatics field. You can vote across all categories or select only the ones you're interested in. You are limited to one vote per category. Cast your vote by October 1, 2024! The winners will be announce at [Canada's National Geomatics Expo](#) October 30th in Calgary.

### Award Categories:

- Game Changer Award
- Innovation Award
- Thought Leadership Award
- Public Sector Focused Award
- Larger Picture, Strategy Award
- Leadership Award





Tuesday 29 October, 2024



**KEYNOTE**

## Imagining an openBIM future

**Claudia Cozzitorto**  
President  
buildingSMART Canada



**9:00 AM - 9:30 AM**

We explore the motivations behind the implementation of openBIM and its integral role in advancing the built asset industry. The built environment is immense and complex, it is also a huge responsibility. Our industry directly impacts it, designing, creating and maintaining it. In an era where what we all need is a better built environment, openBIM stands out as a key enabler. Together we will imagine a future where our industry works more effectively, efficiently and with more certainty. We will unpack how digital transformation, and standardization can provide the stability to elevate our practices and what is motivating us to advance. As advocates of this change, we must articulate the strategic importance of integrating openBIM standards within the Canadian context and how it can foster innovation, streamline project delivery, meet evolving industry demands, and move towards a more connected and efficient future. Integrating GIS and openBIM data, we can significantly enhance the longevity of asset data.



## The Convergence of AI and BIM: Transforming the Future of Construction

**Bill Moore**  
Director  
buildingSMART Canada



**9:45 AM - 10:30 AM**

The construction industry stands at the brink of a groundbreaking transformation, fueled by the intersection of Artificial Intelligence (AI) and Building Information Modeling (BIM). In this thought-provoking presentation, Bill Moore, Director of Production Services at Associated Engineering Ltd. and past president of buildingSMART Canada, will explore how AI is poised to revolutionize BIM processes. Attendees will gain insights into how AI-driven technologies are already enhancing design, quality control, and project efficiency. For instance, AI in BIM is enabling generative design, where systems like Autodesk's Revit optimize building designs based on specific parameters. AI is also transforming quality control by monitoring construction progress and ensuring standards in real-time. Looking to the future, Moore will delve into predictions such as AI's role in predictive maintenance and advanced risk management, where AI analyzes BIM data to foresee potential issues and mitigate risks before they arise.

## Tuesday 29 October, 2024



**AI. A Professional's Perspective**

**Mark Cichy**  
Principal, Director of Design Technology  
HOK



**11:00 AM - 11:30 AM**

The session will focus on considerations for deploying Artificial Intelligence in professional practice; identifying potential landmines and working on solutions from a privacy-first perspective. The talk will include a high-level overview that underscores the fundamental components that encapsulate an AI derived "solution" and delve into a practical, real-world example being tested on an active project.

### Topics Covered:

- An illustrated example of BIM model query using AI
- AI tool ecosystem examples
- Considerations for a privacy-first AI deployment strategy
- Considerations for scaling AI design tools
- How to be part of a co-operative ecosystem of AI developers & pioneers in AEC
- Low hanging fruit, quick wins, for designers – using AI for more than generating pretty pictures
- Underpinning infrastructure & resource planning



**BIM and Specifications -  
The missing piece of the puzzle!**

**David Watson**  
Director of Technical Sales  
NBS

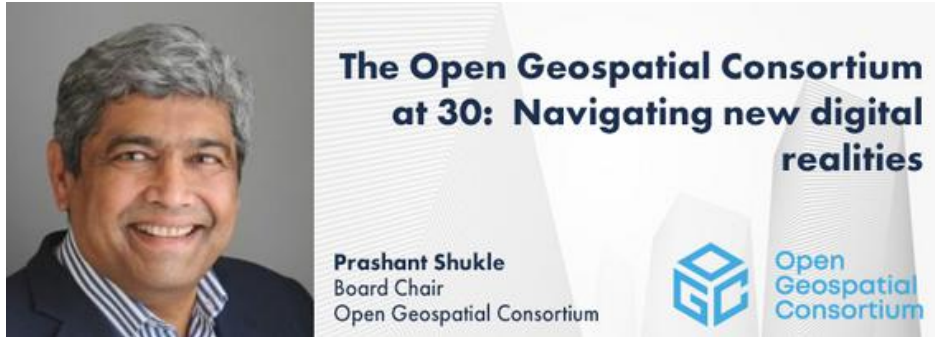


**11:45 AM - 12:15 PM**

Construction contracts are the same worldwide. While there are differences in language, classification, project delivery and other factors, the one common denominator is that a construction contract requires Drawings and Specifications. While geometric modelling software and specification software have both evolved over time, very little effort is currently being exerted in Canada to integrate them in document development processes.

This presentation will offer an overview of the current state of specification technology in Canada and internationally, and offer opinions about how and when specifications could or should be integrated with drawings to improve the quality of contract specifications. If they don't already, Consultants should consider putting in the effort and Owners should demand better integration of specification data with traditional geometry (drawing) data.

## Tuesday 29 October, 2024



**1:15 PM - 1:45 PM**

30 years ago, a small group of engineers came together to work on the then difficult problem of interoperable technology, systems and data. These visionaries formed the Open Geospatial Consortium which has helped the world figure out how to collect, process, and share geospatial data over the internet and across a wide variety of technology systems. Today, with the proliferation of technology types, sensors and a growing realisation that better data, better processes to fuse data, and the ability to work together across borders of all kinds is leading the Open Geospatial Consortium to transform and respond to the many of the world's critical data challenges. This session will outline the Open Geospatial' Consortium past and proposed evolution to better position its members to play a leadership role within the global digital and data movements.



**2:00 PM - 2:30 PM**

The First Peoples Innovation Centre (FPIC) plays a significant role in empowering Indigenous communities. The Centre has adapted the FabLab (Fabrication Laboratory) model developed by the Massachusetts Institute of Technology (MIT) with a culturally appropriate response to Indigenous youth, enabling them to take charge of their professional future. The FPIC, incorporating the FabLab Onaki, is pivotal in this empowerment process, as it funds and partners with various organizations to create comprehensive training programs. These programs, designed to impart skills in cutting-edge technologies such as 3D Printing, laser scanning, Python programming, Revit 3D modeling, and project management, equip participants with the tools needed to excel in today's technology-driven landscape. Through these initiatives, the Centre ensures that Indigenous peoples are well-represented and have equal opportunities in technology and innovation.

The firm's collaborative effort is complemented through Indigenous engagement initiatives on government infrastructure projects, ensuring that knowledge sharing and mentorship are inclusive and promoting diversity and cultural understanding within the industry's evolving landscape.



## Tuesday 29 October, 2024



**3:15 PM - 3:45 PM**

Despite the rhetoric surrounding the use of building information modelling (BIM) to enhance collaboration by connecting people and data, the status quo is to work with proprietary solutions and closed file formats, limiting accessibility and interoperability. Additionally, the increasing complexity of projects in the Architecture, Engineering, Construction, and Operations (AECO) industry requires technology that integrates data at a range of scales, from asset to city, and beyond. To address these challenges, the Carleton Immersive Media Studio (CIMS) is researching and prototyping an open-source collaboration platform.

The platform supports the upload of BIM and geospatial information system (GIS) data, and a variety of media that can be integrated with real-time and open data galleries from sources such as the federal, provincial and municipal government open data galleries, infrastructure providers, and local datasets. Canada's Digital Twin platform is designed for flexibility and continues to evolve as new technologies become available.



**4:00 PM - 4:30 PM**

buildingSMART Canada will summarize the buildingSMART International Certification Program and its implementation in Canada. Attendees will gain insights into how the certification process works, including the steps required for individuals and organizations to achieve certification. We will explain the program's goals, benefits, and by adhering to internationally recognized standards, professionals and organizations in Canada can ensure enhanced collaboration, interoperability, and efficiency in their projects. We will also discuss upcoming developments and enhancements to the program, providing a glimpse into the future of buildingSMART certifications.

Join us to learn about success stories, best practices, and how this program is driving innovation and excellence in Canada.

## Tuesday 29 October, 2024



**KEYNOTE**

**AI & Geomatics:  
The Next Digital Revolution**

**Bryn Fosburgh**  
Senior Vice President  
Trimble



**4:30 PM - 5:00 PM**

Today, digital twins, autonomy and artificial intelligence (AI) dominate the lexicon of the geomatics industry. These capabilities provide significant productivity advantages to our profession, but our domain content and knowledge are critical to their success. These tools will change the way we work and transform the industry. However, they will not replace us, but rather change our role. This is no different than when the EDM, total station, CAD, or GPS became part of our professional lives. Embrace these new technologies and participate in their growth. This will lead to our professions' growth and prosperity. The threat to our industry is not new technology, but rather getting youth into our profession.



**GoGeomatics Meetup**

**5:00 PM - 6:30 PM**

Wrap up the first full day of Canada's National Geomatics Expo with the GoGeomatics Meetup! This lively party and networking event, free to attend, starts right after the day's sessions, offering a perfect blend of fun and professional interaction. Held on the expo main floor, the meetup features a cash bar to help you unwind and enjoy the evening. Join us for an exciting night of music, mingling, and making connections with fellow attendees. Don't miss this chance to relax and expand your network in a vibrant and informal setting.

## Wednesday 30 October, 2024



**9:00 AM - 9:30 AM**

We will explore tangible ways in which to involve Indigenous people, especially youth, in a new and emerging infrastructure business sector. Dale Booth will lead you through a more fulsome understanding of Indigenous inclusion and participation on major infrastructure projects and how working with Indigenous companies, especially in the BIM modelling space, can greatly improve opportunities for everyone.

Innovation 7 has been successful in the identification of training and work placement of Indigenous BIM modellers and we see significant opportunities to grow in this sector with a segment of the population that is growing skills in this area.



**9:45 AM - 10:15 AM**

This presentation provides a comprehensive exploration of the latest advancements in construction technology. From traditional methods to cutting-edge innovations, we'll examine how technology is reshaping the construction industry.

Key topics will include:

- **Historical Context:** A brief overview of the evolution of construction techniques and the impact of technological advancements.
- **Modern Construction Methods:** Exploring traditional methods and how they've been enhanced by technology.
- **Emerging Technologies:** Delving into the latest trends, such as BIM, IoT, robotics, AI, and data analytics, and their applications in construction.
- **Challenges and Opportunities:** Addressing the challenges faced in implementing these technologies while emphasizing the immense potential benefits they offer.
- **The Future of Construction:** A glimpse into the future of the industry, envisioning a technology-driven landscape.



## Wednesday 30 October, 2024



**11:00 AM - 11:30 AM**

This presentation delves into the key insights from the "Digital Transformation for Bridges Workshop," organized by buildingSMART Canada to unify bridge asset owners across federal, provincial, and municipal levels. Attendees will learn about the challenges faced by linear infrastructure asset owners, the role of ISO 19650 in information management, and the critical steps needed for BIM adoption for bridge projects.

Infrastructure asset owners are motivated by the need to avoid missing out on technological advancements amidst a rapidly evolving technological landscape, viewing BIM as a tool to harness the potential of data as a valuable asset. However, need to overcome the challenges in integrating diverse data ecosystems and managing information across departments, a hurdle that international standard ISO 19650 and openBIM standards can help address by enabling smoother interoperability and reducing data silos.

The session will also highlight the benefits of integrating BIM with Geographic Information Systems (GIS), defining business cases for BIM implementation, and envisioning a fully digital approach to bridge management.



**11:45 AM - 12:15 PM**

The presentation aims to provide an engaging discussion on the opportunity's organizations adopting BIM can benefit from, such as enhanced collaboration, where BIM reduces errors and miscommunication through real-time data sharing, ensuring all parties have access to the most current project information. It also improves risk management by allowing early detection of design issues and facilitates sustainable construction practices through better energy performance analysis and green certification processes.

BIM can be integrated with emerging technologies like AI, VR/AR, and IoT to further enhance its capabilities. However, the presentation will also address the challenges the industry faces, such as resistance to change, lack of unified standards across regions, limited interoperability due to the infancy of openBIM in North America, evolving regulatory and legal frameworks, and the need for improved data management and security throughout the project lifecycle. Possible ways forward to overcome these obstacles will also be discussed.

Wednesday 30 October, 2024



2:00 PM - 2:30 PM

This session explores the strategic implementation of IDS (Information Delivery Specifications) to IFC (Industry Foundation Classes) validation, emphasizing its crucial role in aligning organizational requirements with validation criteria for effective data handover and operational efficiency within real property and asset management. Attendees will gain insights into how these processes can be used to structure and transform organizational data, ensuring better control, accuracy, and long-term value from their information assets. The session underscores the importance of a BIM-driven transformation that extends beyond ownership to include operators, managers, and other stakeholders in asset management. By establishing and translating organizational requirements into tailored, structured data, this approach empowers stakeholders across the board, providing them with the tools needed to make informed decisions and optimize asset management practices.



2:45 PM - 3:30 PM

# CONNECTING BIM + GIS



CANADA'S NATIONAL  
GOGEOMATICS  
EXPO  2024



Gold Summit Sponsor



## BSC Annual BIM Summit (2 day program)

**Chairs:** [Gordon McElravy](#) & [Bill Moore](#)

**Description:** This year’s buildingSMART Canada summit will bring together professionals from the architecture, engineering, construction, and operation (AECO) industries, as well as leaders in geomatics, to explore the integration of building information modeling (BIM) and geospatial technologies. The collaboration highlights a shared commitment to advancing digital transformation and innovation across related sectors. Importantly bSC continues to engage the wider geomatics sector to raise the awareness of BIM and GIS interoperability and the future of digital twins.

**Program Components:** 3 keynotes, 1 panel, 12 talks

### Day 2 - Theatre 1

Time	Speaker/Talk	Length	Activity
Tuesday October 29 08:00 AM - 09:00 AM		60 min	Expo opens
Tuesday October 29 09:00 AM - 09:30 AM	Claudia Cozzitorto - Imagining an openBIM future	30 min	Keynote
Tuesday October 29 09:45 AM - 10:30AM	Bill Moore - The Convergence of AI and BIM: Transforming the Future of Construction	45 min	Talk
Tuesday October 29 10:30 AM - 11:00 AM		30 min	Break
Tuesday October 29 11:00 AM - 11:30 AM	Mark Cichy - AI. A Professional’s Perspective	30 min	Talk
Tuesday October 29 11:45 AM - 12:15 PM	David Watson - BIM & Specifications	30 min	Talk
Tuesday October 29 12:15 PM - 01:15 PM		60 min	Lunch
Tuesday October 29 01:15 PM - 01:45 PM	Prashant Shukle - The Open Geospatial Consortium at 30: Navigating new digital realities	30 min	Keynote
Tuesday October 29 02:00 PM - 02:30 PM	Karen Dolan & Mark Tivnan - BIM Indigenous Upskilling and Partnership Programs	30 min	Talk
Tuesday October 29 02:45 PM - 03:15 PM		30 min	Break
Tuesday October 29 03:15 PM - 03:45 PM	Nicolas Arellano Risopatron - Canada's Digital Twin - A national open source BIM/GIS platform	30 min	Talk
Tuesday October 29 04:00 PM - 04:30 PM	Bill Moore - Elevating openBIM and ISO knowledge: buildingSMART International Certification in Canada	30 min	Talk

### Day 3 - Theatre 1

Time	Speaker/Talk	Length	Activity
Wednesday October 30 08:00 AM - 09:00 AM		60 min	Expo opens
Wednesday October 30 09:00 AM - 09:30 AM	Dale Booth - Indigenous Participation through BIM	30 min	Keynote
Wednesday October 30 09:45 AM - 10:15 AM	Hammad Chaudhry - The State of ConTech	30 min	Talk
Wednesday October 30 10:30 AM - 11:00 AM		30 min	Break
Wednesday October 30 11:00 AM - 11:30 AM	Claudia Cozzitorto - Digital Transformation for Bridges: Leveraging BIM and Open Standards for Improved Infrastructure Management	30 min	Talk
Wednesday October 30 11:45 AM - 12:15 PM	Victor Lima - Opportunities and Challenges for BIM adoption in Canada	30 min	Talk
Wednesday October 30 12:15 PM - 01:15 PM		60 min	Lunch
Wednesday October 30 01:15PM - 01:45 PM	<b>AVAILABLE</b>	30 min	Talk
Wednesday October 30 02:00 PM - 02:30 PM	Aleksandar Stevanovic - Empowering Owners Through IDS to IFC Validation: Transforming Organizational Data for Enhanced Control and Value	30 min	Talk
Wednesday October 30 02:45 PM - 03:30 PM	Realizing Digital Transformation in the Canadian Built Environment	45 min	Panel



# Become a member of the bSC Community



*We are updating our membership to give members more!*

Our members are the heart of buildingSMART Canada. To ensure maximum value and engagement as we grow, we're updating our membership structure in 2025 to align better with our mission of leading open data standards adoption for Canada's digital transformation.

This new structure is designed to provide enhanced benefits and opportunities for our members, including increased access to cutting-edge resources, exclusive industry insights, and greater networking possibilities. By refining our membership tiers, we aim to cater to a diverse range of professionals and organizations who share our vision of fostering innovation through open data standards. Our goal is to create a more inclusive and dynamic community that can effectively contribute to Canada's digital economy and infrastructure development. Stay tuned for more detailed announcements on the upcoming changes and how you can maximize your involvement with buildingSMART Canada

## **Membership Includes:**

- Exclusive access to buildingSMART Canada resources and publications.
- Discounts on events, training, and certification programs.
- Opportunities to participate in working groups and committees.
- A platform to share your expertise and insights with a broader audience.

## **As a member you will:**

- **Be a part of Community:** You will be part of a dynamic community dedicated to improving the built environment through open standards and collaborative innovation.
- **Have access to Cutting-Edge Resources:** Stay ahead with the latest tools, standards, and best practices in the industry.
- **Participate in Networking Opportunities:** Connect with industry leaders, professionals, and innovators from across Canada and beyond.
- **Evolve through Professional Development:** Enhance your skills and knowledge through exclusive workshops, webinars, and training sessions.
- **Influence the Future:** Contribute to the development of open standards that shape the future of the built environment.

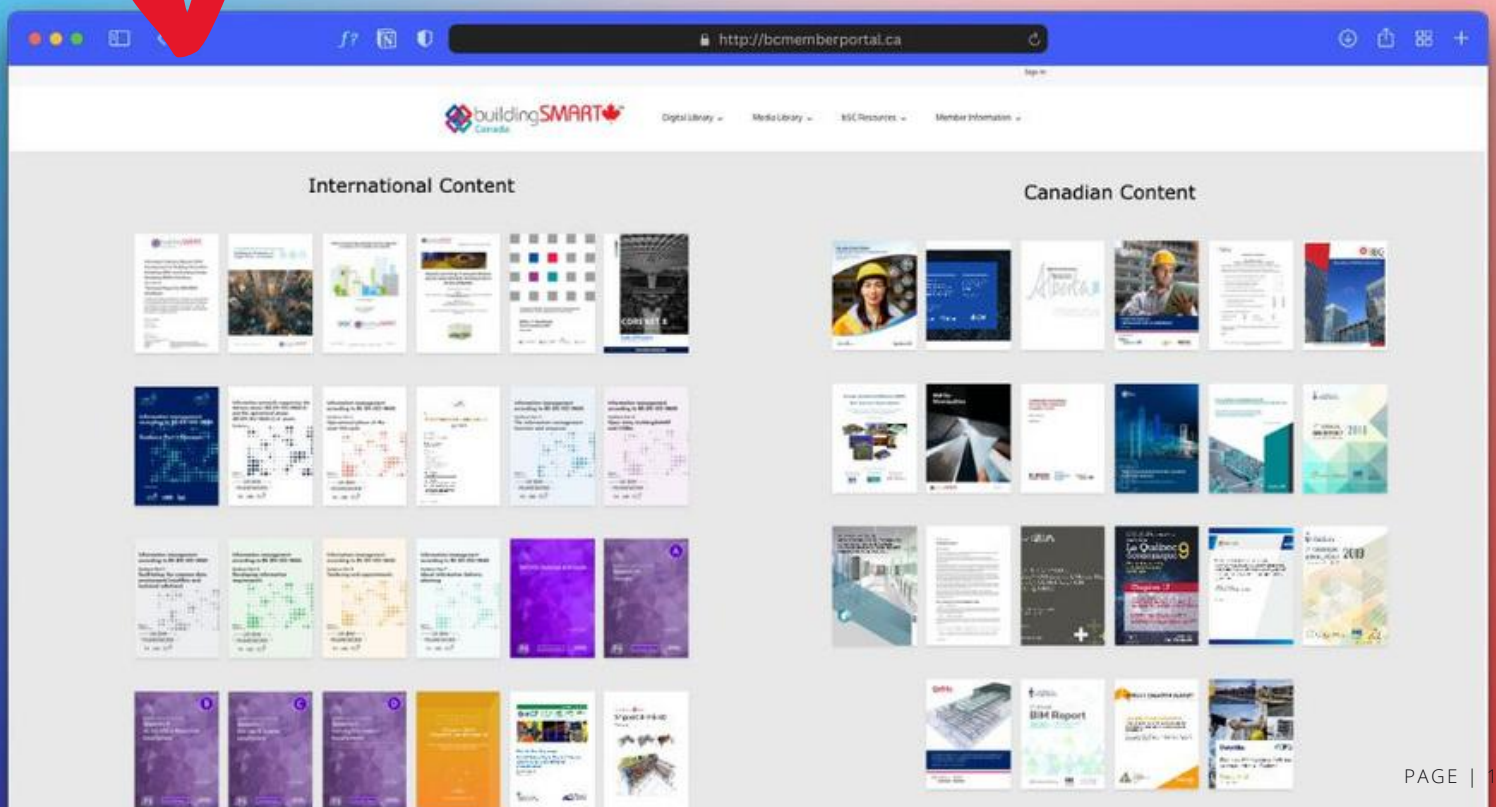
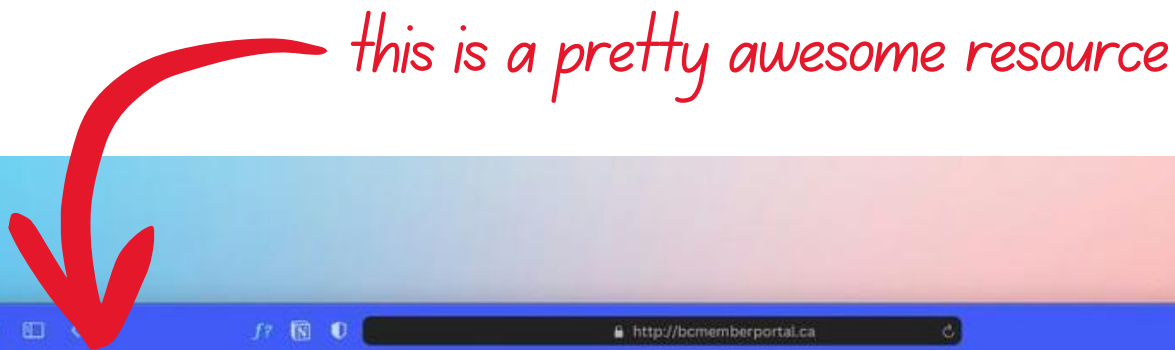
**For more information, visit:**  
**[buildingsmartcanada.ca/members](https://buildingsmartcanada.ca/members)**

# Members get access to the bSC Digital Library

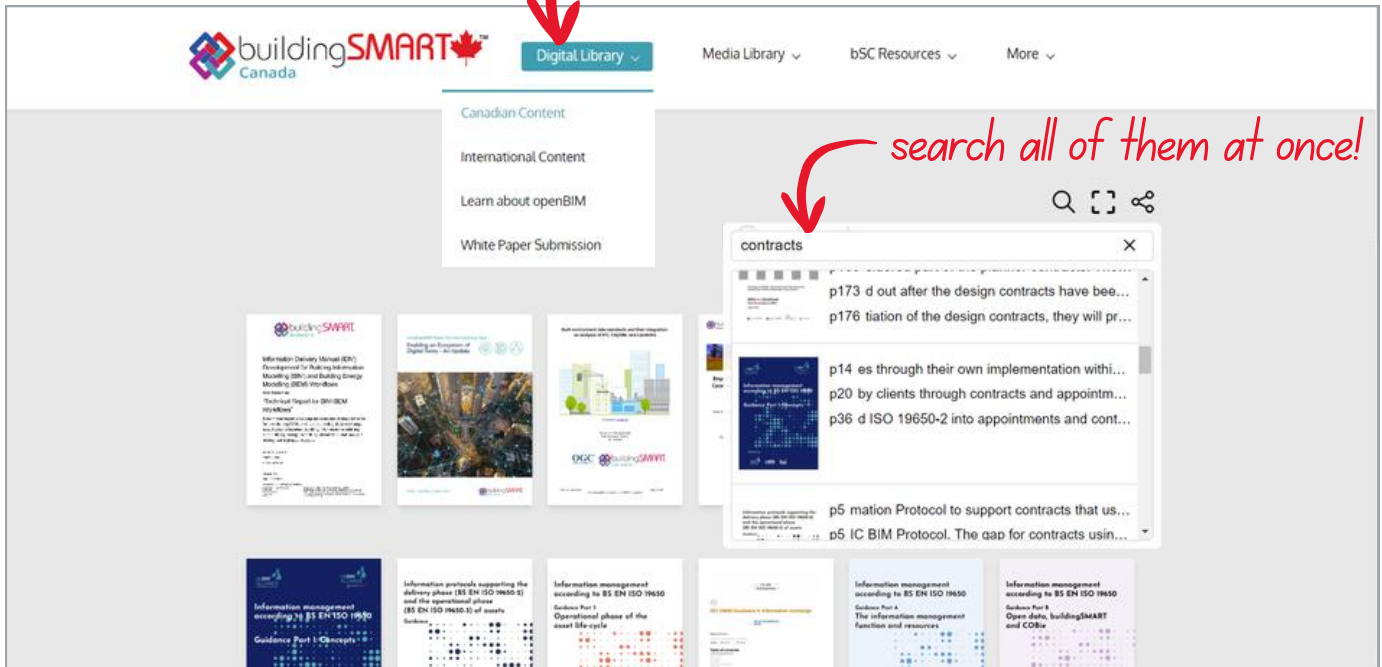
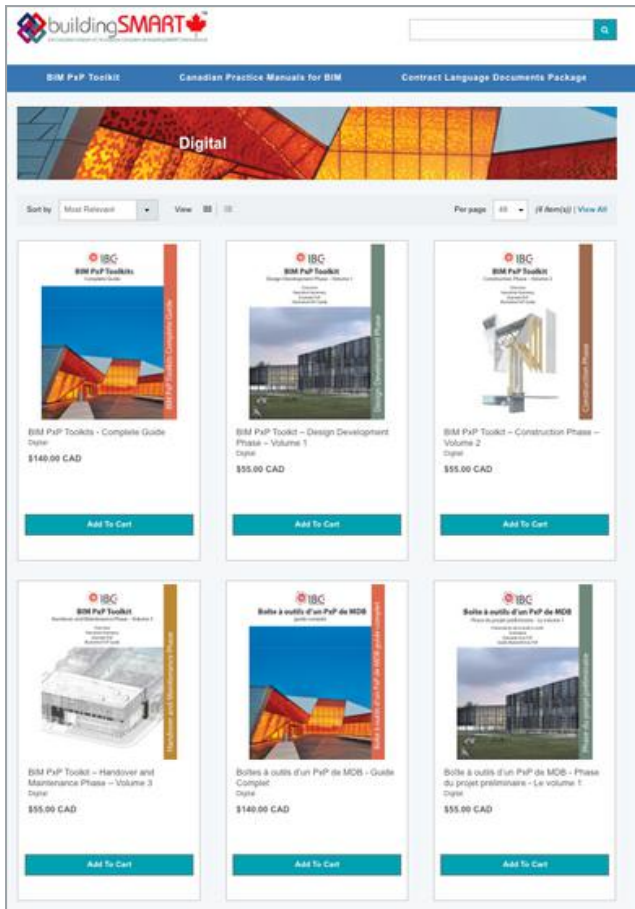
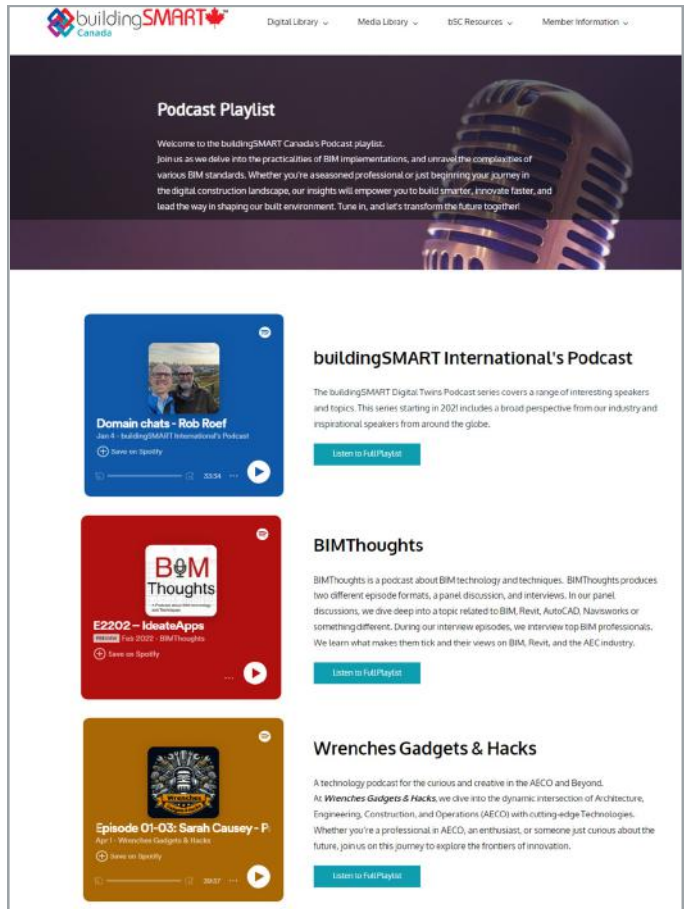
The bSC Digital Library is an exclusive platform with a vast array of digital resources. Members will have access to the latest publications, essential documents and certifications, insightful videos, newsletters, and engaging podcasts tailored specifically for our community.

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.



*Canadian / International / openBIM content*

*learn on the go with great podcasts*



# 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.



*easy (free) way to start*



The Entry level introduces open standards and openBIM concepts in a simple, clear and straightforward matter. It is aimed at working professionals and students in the built asset industry who have little or no experience with BIM. This program offers free online educational resources (self-paced training) and a free 5-question online exam managed on this website. This exam will be launched in 2024.



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.

*every BIM expert should get this certification*

[Learn more about professional certifications](#)

# Affiliates

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.



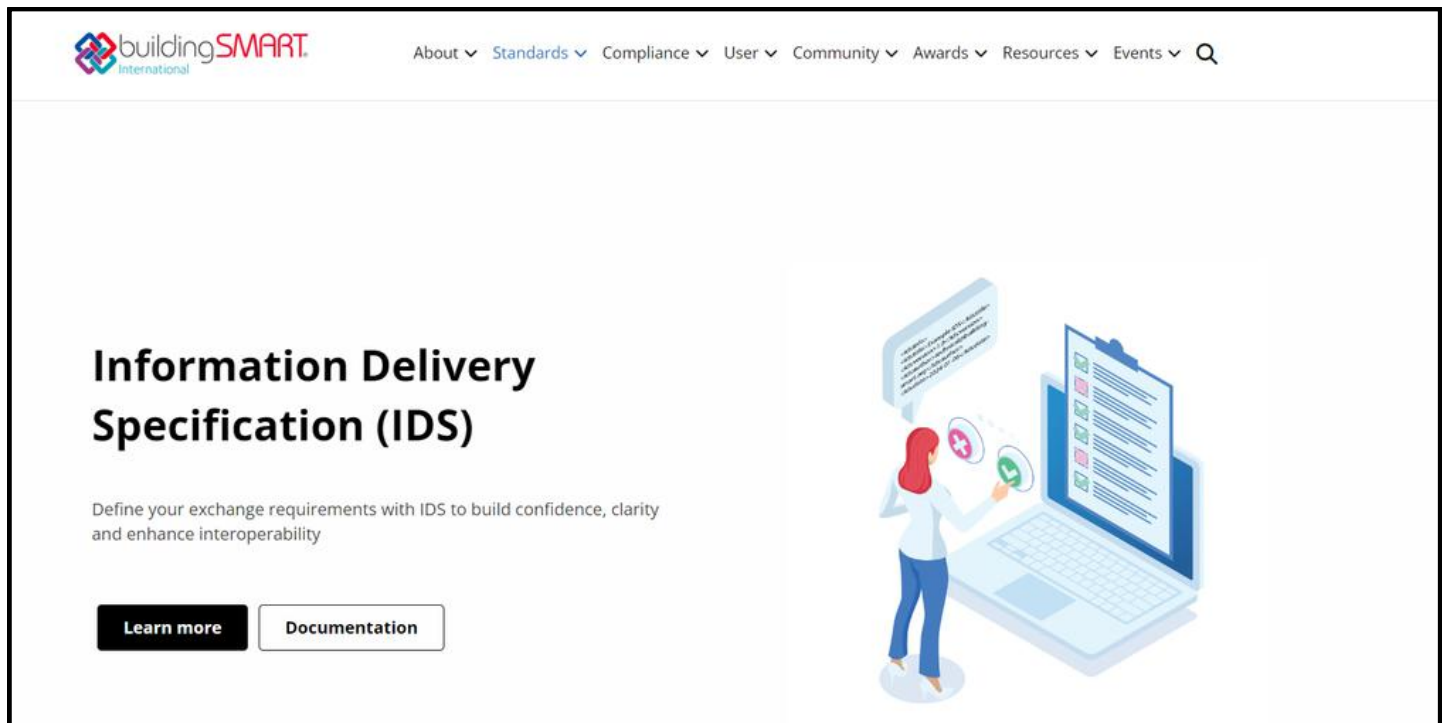
## Affiliates across Canada

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



Don't forget to engage with your local Affiliate

# buildingSMART International Launches the New IDS Web Page



Following the Information Delivery Specification (IDS) Approved as a Final Standard a new resource is available to learn more.

Explore how the Information Delivery Specification (IDS) defines information requirements in a computer-interpretable format, enabling automatic compliance checking of IFC models, enhancing quality control and data fidelity, facilitating efficient data delivery by setting clear exchange guidelines. IDS ensures interoperability, clarity, and consistency in project data, making it essential for automating data exchanges and validating information in BIM processes. It supports various industry standards and integrates with tools to streamline compliance and improve project efficiency.

***[If you're interested in learning more about IDS](#)***



# bSI Annual Report 2023

The 2023 Annual Report from buildingSMART International highlights a year of substantial progress in the development and adoption of openBIM standards. Key milestones include the approval and publication of IFC 4.3 as an ISO standard, which brings horizontal infrastructure into IFC. This achievement is part of a broader effort to drive the adoption of openBIM workflows globally.

The report emphasizes the organization's strategic roadmap, focusing on three time horizons: foundations, improvements, and reinventions. These horizons aim to support current standards while advancing interoperability and addressing future technology trends. In 2023, buildingSMART expanded its services with new offerings like the IFC Validation Service, Global Software Certification, and Information Delivery Specifications (IDS).



New chapters were established in Brazil, India, and Serbia, with more expected in 2024, reflecting growing global demand for openBIM standards. The professional certification program also saw significant growth, with over 18,000 individuals certified worldwide.

Looking ahead, the priorities for 2024 include expanding strategic projects, scaling the IFC Validation Service, launching the Practitioner-level Professional Certification program, and preparing for the next-generation IFC 5 standard. Additionally, buildingSMART aims to strengthen communications and outreach, supporting the global adoption of openBIM standards.

This year's efforts highlight buildingSMART's ongoing commitment to enhancing collaboration, productivity, and sustainability in the global built environment through open and interoperable data standards.

[Read here](#)

## buildingSMART International openBIM Awards 2024

This year's winners of the openBIM Awards will be awarded at Awards Ceremony on Thursday 3rd October in Marrakesh, Morocco, as part of the buildingSMART International Summit.

### Industry experts from Canada joined the jury panel and evaluate the following award categories worldwide:

- Design for Buildings
- Design for Infrastructure
- Construction for Buildings
- Construction for Infrastructure
- Handover
- Facilities Management
- Asset Management
- Research excellence (Professional and Student)
- Technology Solution



To learn more about the winners, finalists, and special mentions for last year visit [buildingSMART International Awards 2023](#)

## buildingSMART USA upcoming Event

**November 13, 2024 | All Day**

Oracle Innovation Lab | Chicago Area

Hosted by the buildingSMART USA Roads and Bridges Committee in collaboration with the AASHTO Joint Subcommittee on Data Standardization (JStan) and the Transportation Research Board (TRB) AED80(1) BIM for Infrastructure subcommittee, the one-day, hybrid event features Owners, Technology Providers, Engineering Companies, and Contractors meeting for a day of learning and collaborating on openBIM. Building off the efforts from last years summit, this event will include national updates from FHWA and ongoing Transportation Pooled Fund efforts, openBIM IN ACTION project examples, and national Industry updates. Join us in Chicago to network with industry peers, catch demos of the latest openBIM tech, and take a guided tour of the Oracle Innovation Lab.

**[Early bird tickets available until October 15, 2024.](#)**

**[Space is limited, register now!](#)**



Regional event hosted by

 buildingSMART.  
USA

in collaboration with AASHTO JStan and TRB AED80(1)

openBIM Transportation Regional Summit 2024

# Roads & Bridges Day

**November 13, 2024**

Oracle Innovation Lab @Chicago

sponsored by

  DALUX  SOLIBRI  
A NEMETSCHEK COMPANY



# Thank-you to our Members

## Strategic Members



## Industry Council Members



## Initiative Members



## bSI Members supporting the Canada Chapter



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