



Singapore Institute
of Building Limited

Aug 2026

BUILD NEWS

SIBL Newsletter



TABLE OF CONTENT

5

Matterport: a Sustainable Virtual Solution from Board to Building



13

Collaborating is the only way forward

15

Past Events



President's Message

Dear Members and Friends of SIBL,

As we move through the second half of 2026, the built environment continues to evolve rapidly, driven by sustainability, digitalisation and the growing importance of collaboration across our industry. This edition of SIBL BuildNews reflects these priorities and highlights how technology, knowledge sharing and stronger industry connections can help us build more efficiently and responsibly.

Our feature on Matterport demonstrates the increasingly important role of digital twins and spatial data throughout the building lifecycle. From early site assessment and material planning to construction coordination, facilities management and eventual asset operation, digital technologies can help project teams make better-informed decisions while reducing unnecessary site visits, rework, material waste and associated carbon emissions. This message is particularly relevant to our industry. Sustainability cannot be considered only at the point of construction; it begins at the planning stage and continues throughout a building's lifecycle. Better site assessment, responsible material selection, energy-efficient systems, effective waste management, healthier indoor environments and recognised sustainability standards all require accurate information and close coordination among stakeholders. This brings us to an equally important theme of this issue: collaboration is the way forward. Our projects increasingly involve multidisciplinary teams, technology providers, consultants, contractors, owners and other stakeholders working across different organisations and locations. Sharing information effectively and working towards common outcomes will remain essential to improving productivity, reducing waste and delivering a more resilient built environment.

**Dr Sussie
Ketit
President
(SIBL)**



In this edition, we are also pleased to feature an article by Mr Oliver Wee of the Master Builders Association Malaysia, who shares his perspective on collaborative contracting. His article highlights a pragmatic approach to today's increasingly complex project environment—one that acknowledges uncertainty and seeks to manage risk collectively rather than relying solely on contractual rigidity. This perspective reinforces the importance of trust, shared responsibility and closer collaboration among all parties in delivering successful project outcomes. SIBL continues to play its part by strengthening connections between our industry and the next generation. We were pleased to be part of the DBE Commencement Ceremony 2026 at NUS on 13 July 2026. Our activities have also included the ITE Students Membership Certificate Presentation Ceremony cum Career Talk 2026, together with our Hari Raya and Lohei lunches.

These occasions not only strengthen professional relationships but also provide valuable opportunities to engage with students and young people as they begin their journey in the built environment sector.

Looking ahead, members can participate in International Built Environment Week (IBEW), taking place from 2–4 September 2026 at Marina Bay Sands, Singapore. The event brings together industry knowledge, emerging technologies and professional networks focused on creating greener, smarter and more resilient built environments. I encourage our members to take advantage of this opportunity to learn, exchange ideas and strengthen connections within the wider built environment community.

Members can also look forward to Safety & Security Asia 2026, taking place from 10–12 November 2026 at Sands Expo & Convention Centre, Singapore. Dedicated to the safety and security of people, places and assets, the event will be co-located with The Security Event Asia, The Fire Safety Event Asia, The Health & Safety Event Asia, The Emergency Services Show Asia and Pro Integration Future Asia. This provides members with another valuable opportunity to explore developments and solutions across safety, security, fire protection, workplace health and emergency services, while connecting with industry professionals and partners from across the region.

Further ahead, Digital Construction Asia 2027, scheduled for 17–18 March 2027 at Sands Expo & Convention Centre, will explore the application of AI, robotics and autonomous technologies across design, construction and operations.

Together, these upcoming events reinforce how quickly our sector is changing and highlight the importance of continuous learning, professional development and industry engagement. As our industry embraces new technologies and responds to evolving expectations around sustainability, safety and productivity, SIBL remains committed to providing a platform for our members to connect, learn and contribute. By sharing knowledge not only within Singapore but also with our regional industry partners, we can strengthen our collective capabilities and gain valuable perspectives on the challenges and opportunities shaping the built environment across Asia.

On behalf of SIBL, I thank our members, partners and supporters for your continued participation and contribution. I encourage everyone to remain engaged, share your knowledge and embrace opportunities to collaborate. Together, we can help shape a built environment that is safer, smarter, more innovative, productive and sustainable.

Matterport: a Sustainable Virtual Solution from Board to Building

As the new year begins, Singapore's building and construction industry stands at a defining moment. Global climate commitments, regional sustainability goals, and national policies are converging to reshape how the built environment is planned, delivered, and maintained.

For a sector that underpins economic growth and urban liveability, the year ahead will be characterised by a shift from intent to implementation, from compliance to capability, and from short-term delivery to long-term resilience. The following trends highlight what industry professionals should look out for as the built environment enters a new chapter.



Matterport is a spatial data platform that turns building data into 3D visuals and models. The model provides optimal visualisation and BIM/CAD file outputs for design teams to propose designs, which is then used by different construction teams to add, edit, and track progress and issues before and during construction. It can also be used for as built structures to progress, detect issues early, support remote inspections, and even to promote the property. So, this becomes a useful tool in the construction, facility management, and real estate industries. Matterport offers an array of services and tools for 3D visualisation, drawings, editing, marketing, facilities management, security, and property analytics. The whole software-as-a-service package covers services needed to design, build, and manage any structural project. It also provides a platform to collaborate with all the teams involved in the project that helps in taking unified decisions, detecting issues early on, and facilitating effective solutions. With project sustainability becoming increasingly critical, Matterport has proven to support sustainable construction and property management.

HOW CAN MATTERPORT HELP YOU?

Matterport's speciality lies in the ability to digitally capture a potential or already built structure and evaluate, track, and maintain its operation during and post-build. This is very effective in estimating or assessing material and cost estimations for a project (e.g. in fit-out or restoration projects), reducing site visits during build-phase, significantly lowering carbon emissions for construction projects across vast regions or countries. It can also help in obtaining the values for reporting. At every phase, it also supports with risk mitigation by offering a dimensionally accurate 3D visualisation layer to centrally reference data across design, construction, and operations; departments that are traditionally fragmented and cause rework and material wastage because of lack of effective collaboration.

Stage	Sustainability impact enabled by Matterport
Design & Planning	• Accurate as-built capture, and timely rectifications reduces redesign and material waste • BIM integration improved issue resolution and reduced site visits
Construction	• Remote collaboration cuts travel and prevents rework
Handover	• Digital documentation ensures continuity and less data loss
Operations & FM	• Ongoing digital twin supports energy optimisation and maintenance planning – when layered with operational information • Potential for companies to digitise hundreds of properties • Reduced site inspections and travel • Enabled smarter asset management at scale

Building responsibly not only includes activities at the time of construction but starts before, at the planning stage, and lasts much longer, throughout the lifecycle of the structure up till its demolition. These include:

1. Site assessment – The location of the building has always been of prime importance; it heavily depends on the type of project and accessibility. Access to public transport can reduce carbon emissions, tapping into already available infrastructure reduces the need to provide newly built infrastructure, and having a naturally occurring ecosystem that has preservation plans in place can be consciously and meticulously integrated into the new project to help protect and enhance the environment. Matterport helps with site assessment and providing digital twins for the existing conditions of the site which can be shared across teams and cognisant decision making becomes easier. This could also reduce site visits which would add to carbon emissions.
2. Material selection – Care should be taken to understand the embodied carbon of all materials used in the building, information on the material's sourcing, manufacturing, usage, and disposal should be clearly determined to calculate the actual carbon content. Intentionally choosing materials that are locally available and have lower impacts can considerably help to make the project more sustainable. In this regard, Matterport offers digital twin technologies that provide accurate spatial dimensions to help surveyors accurately estimate materials required to support sourcing to installation. This makes gathering and organising data seamless and ensuring that the choices align with the sustainability goals of the project.

3. Energy-efficient systems – Systems that involve natural and renewable resources like solar power, passive cooling and heating, geothermal energy, and wind energy aid in reducing the dependence of the built structure on artificial forms of energy. Gathering sufficient data on how these systems will function at the time of designing can assure clients of its function as a sustainable design. Digital twin and IoT technologies from Matterport help to visualise the systems in a building at the design phase itself and tweaks can be made between teams to achieve the desired results. At the operational stage, these systems can also be real-time monitored for optimal use through their services for recording, maintenance, and repair.

4. Waste management – Managing waste has always been a difficult task, especially from construction sites as the amount is always enormous. Planning how much waste would be generated, where it would go, possibilities for reuse and recycling can go a long way in reducing waste and efficiently managing it. Having clarity at how much material is needed, proper use of that material, and sourcing recycled or reusable materials are conscious choices in a sustainable project. With technologies that provide accurate data on the quantity and quality of materials to be used in a project, material waste can be reduced. Matterport's BIM clash detection can prevent construction and installation errors, helping to reduce waste generation even before construction begins.

5. Certifications – Sustainability is not just a trend or a fancy word today, there are many agencies that identify it and presents awards, certifications, and recognition for projects that cater to the frameworks and standards of performance. Be it LEED, BREEAM, WELL, LBC, each have their own set of assessment criteria like energy, materials, well-being, and other positive impact creating benchmarks that can create notable fame to the building. Technologies that are provided by Matterport can not only assist in checking and aligning the performance of the buildings with the standards but also give information to agencies to make an educated decision on certifying the structure. Creating digital twins can make the analysis easier.

6. Indoor Environment – As a built structure, its main task is to provide shelter to protect from any natural occurring calamity. While this may be the basic requirement; with humans tend to stay more indoor than outdoors, it becomes necessary to make the indoor environment comfortable, healthy and productive. Optimising natural ventilation, natural daylighting, and limiting toxicity in the indoor environment becomes equally significant when designing. This can reduce cost along with reducing carbon emissions. IoT technology from Matterport helps to assess how the building will perform before occupation which helps to change the spaces to facilitate maximum comfort to users. Using it during the operational phase can give real-time data that can ensure prompt maintenance and repair.

7. Collaboration – A key factor in making successful projects is collaboration. And in many cases, the collaborators are in different locations around the globe, making it tough to work and solve issue together. Having a common document that has the structure model with all data can help to reduce time on working out issues and challenges. With digital documents, it becomes easier for all teams to access and make necessary changes as the design evolves and as and when issues or repairs arise. Digital twins' technology provided by Matterport can enable lesser site visits and document progress daily reducing delays, travel time, and material use. This presents a more sustainable mode of working, especially when projects involve international stakeholders.

What are the tangible advantages of using Matterport? The main advantages of using Matterport's services are three-fold:

- **It potentially reduces unnecessary site visits and rework, saving time and money**
- **It facilitates better coordination and decision-making through shared data, that accounts for fast, optimal solutions**
- **It helps to extend the lifecycle value of buildings beyond handover because contractors can provide longer term support to a building even if there are changes in usage, ownership, management modes over time.** With Matterport's technology, it becomes easier to collaborate, organise, resolve, and take decisions across stakeholders. This saves time, energy, and money while reducing carbon emissions and allowing for designing a truly sustainable project.

It becomes easier to manage when clients adopt the technology as an asset and start capturing digitally from the bid or early planning stage and use it till the end of the lifecycle of the building.

Traditional Methods vs. Digital Twins	
Challenges	Outcomes
95% of all data captured in construction and engineering industry goes unused Source: FMI	53% Cost savings on travel & site visits
52% of rework is caused by poor project data and miscommunication Source: Autodesk	30% Less time to complete projects
24% of total project cost (direct or indirect) is rework Source: Navigant Construction Forum	24% Improved sustainability

As a company, Matterport has also inculcated actions that provide results in a positive impact, not just through their services but also as a holistic approach towards their ESG goals. They gather data on their own greenhouse gas emissions to measure, monitor, and effectively reduce their carbon footprint. They make sure to work with partners who are able to provide full data on their emissions to ensure transparency throughout the collaboration



COLLABORATING IS THE ONLY WAY FORWARD

Collaborating is the only way Forward



The construction industry enters a new era facing an environment of unprecedented uncertainty. Volatile material prices, persistent supply chain disruptions, labour shortages, climate-related risks, and tightening financing conditions have collectively exposed the limits of traditional contracting models. In this landscape, the long-standing reliance on aggressive risk transfer and adversarial contractual positions is no longer sustainable. Increasingly, one conclusion is becoming unavoidable: collaborating is the only way forward.

Uncertainty has Redefined Risk in Construction

The risks confronting construction projects today are no longer isolated, predictable, or easily priced. Extreme weather events, global geopolitical tensions, regulatory changes, and ESG-driven obligations are systemic in nature. Attempting to transfer these risks unilaterally to contractors through rigid, lump-sum contracts has led to inflated pricing, frequent disputes, project delays, and, in some cases, contractor insolvencies.

Traditional contracting models assume that risk can be neatly allocated to the party “best able to manage it”. In practice, many modern risks are beyond the control of any single party. The result is a cycle of defensive behaviour, claim-driven project management, and deteriorating trust outcomes that undermine project performance precisely when resilience is most needed.

Collaborative Contracting as a Response to Volatility

Collaborative contracting offers a pragmatic response to this new reality.

Rather than seeking to eliminate risk through contractual rigidity, it acknowledges uncertainty and manages it collectively. Models such as alliance contracting, early contractor involvement, CIDB 2022 form style frameworks, and relational contracting place emphasis on transparency, shared objectives, and early issue resolution.

Under collaborative arrangements, risks are openly discussed and jointly mitigated rather than concealed behind contractual silos. This approach allows project teams to respond more quickly to unforeseen events, make informed decisions based on real-time data, and avoid the paralysis that often accompanies contractual deadlock.

In uncertain conditions, speed, adaptability, and trust are as valuable as technical expertise. Collaborative contracting creates the governance structures necessary to support all three.

Enhancing Project Resilience Through Collaboration

One of the most significant advantages of collaborative contracting is its ability to enhance project resilience. More realistic costing, shared risk registers, and joint decision-making forums reduce the likelihood of late-stage surprises. Problems are addressed when they arise, not after positions have hardened into disputes.

This approach also improves cost certainty. While collaborative contracts may appear less rigid at the outset, they often deliver more predictable outcomes by avoiding the hidden contingencies and adversarial behaviours embedded in traditional pricing. In volatile markets, this transparency is increasingly attractive to financiers and investors who prioritise cash-flow stability over nominal risk transfer.

The Power of a Mindset Shift

At the heart of collaborative contracting lies a fundamental shift in mindset. It requires parties to move away from a “win-lose” mentality toward a shared commitment to project success. For the private sector, this is not about relinquishing

“Collaborative contracting offers a pragmatic response to this new reality. Rather than seeking to eliminate risk through contractual rigidity, it acknowledges uncertainty and manages it collectively.”



contractual rights, but about exercising them more intelligently.

When stakeholders adopt a collaborative mindset, disputes are no longer viewed as commercial opportunities but as project failures. Resources previously spent on claims, legal fees, and expert reports can instead be invested in innovation, safety, and quality improvements. Senior management time is redirected from dispute management to value creation.

Importantly, collaboration fosters repeat relationships and reputational capital. In an industry increasingly driven by long-term frameworks, PPPs, and ESG considerations, trust and performance history are becoming decisive competitive advantages.

Commercial and ESG Benefits for the Private Sector

Collaborative contracting aligns closely with emerging ESG expectations. Transparent governance structures support stronger compliance and accountability. Shared responsibility for safety and community engagement enhances social outcomes. Environmentally sustainable solutions are more likely to be implemented when design and construction decisions are made collectively rather than defensively.

From a commercial perspective, collaborative projects tend to experience fewer delays, lower dispute

costs, and better whole-of-life asset performance. These outcomes directly support bankability and long-term returns, key considerations for private investors and concessionaires.

A Necessary Evolution, Not a Passing Trend

Collaborative contracting is not a theoretical ideal or a temporary policy experiment. It is a practical evolution driven by necessity. As uncertainty becomes the defining characteristic of the construction industry, contracts designed for certainty and control will continue to fail.

The question facing the industry is no longer whether collaboration works, but whether it can afford not to adopt it. Those who persist with adversarial models risk higher costs, strained relationships, and diminished competitiveness. Those who embrace collaboration position themselves to navigate uncertainty with resilience, agility, and confidence.

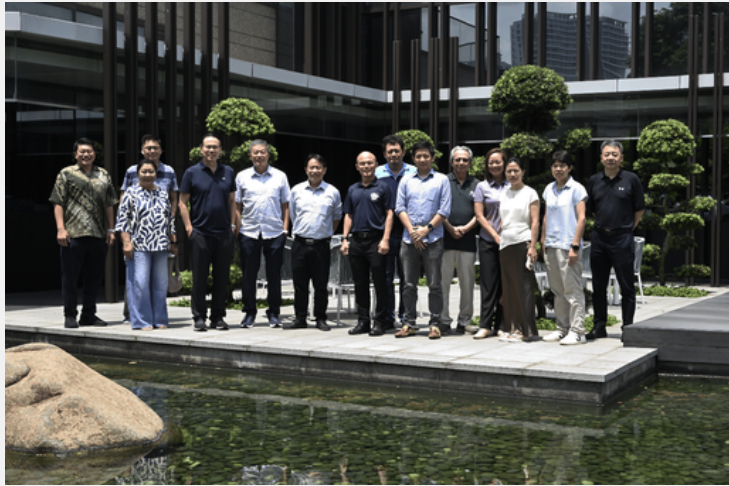
Conclusion

In a world where construction risks are increasingly shared, complex, and unpredictable, isolation is no longer a viable strategy. Collaboration is not a sign of weakness; it is a mark of commercial maturity. By changing mindsets and embracing collaborative contracting, the construction industry can move beyond survival mode and toward sustainable, value-driven delivery.

PAST EVENTS



DBE Commencement Ceremony 2026 at NUS
held on 13 July 2026



Hari Raya Lunch 2026



Lohei Lunch 2026



ITE Students Membership Certificate
Presentation Ceremony cum Career Talk
2026

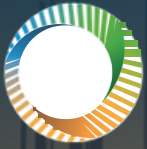


Thank you to the Master Builders Association Malaysia (MBAM) for the opportunity to share insights, in my capacity as President of SIBL on Strategy, Innovation & ESG: Building Resilient Malaysian Contractors.

“Resilience is no longer simply about navigating challenges. It is about adapting faster, innovating smarter and building more sustainably.

By bringing strategy, innovation and ESG together, Malaysian contractors can strengthen competitiveness, respond to an evolving industry landscape and create lasting value.

It was a meaningful exchange of ideas and perspectives as we work collectively towards a stronger, more innovative and resilient construction industry.” – Sussie, 2026



INTERNATIONAL
BUILT ENVIRONMENT
WEEK

2 - 4 SEP 2026

Marina Bay Sands, Singapore

Empowering People, Accelerating Intelligence

Drive digital transformation for project delivery
— fuel your workflow with the connected intelligence needed
to ensure smarter building execution.

Ticketing Is Now Available

Why You Should Attend



Conference

Real project insights across
APAC — including sustainability
delivery at scale.



BEX Asia

Compare technologies
supporting greener, smarter
built environments.



Professional Accreditation

Earn recognised accreditation
points while advancing
sustainability capabilities.



Ecosystem Connectivity

Connect across the
value chain to drive greener
project outcomes.

See how digital building strategies
are deployed on live project sites
— not just mapped out.

SIBL members enjoy extended access to early bird rates.



SIBL member rates inside.
Scan to get your ticket.

Co-organised by



An initiative under



An anchor exhibition of



f in @ibewsg

www.ibew.sg



DELIVERING INTELLIGENT SOLUTIONS FOR THE BUILT ENVIRONMENT

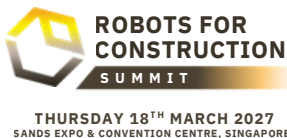
Bookings are now open!

Digital Construction Asia 2027 will explore how AI, robotics and autonomy are addressing key industry challenges across design, construction and operations. Through conferences, Tech Talks and deep-dive sessions, the event connects solution providers with government, regulators, contractors, asset owners and end users seeking sustainable, connected and commercially viable solutions.

HOSTING TWO REGIONAL SUMMITS IN 2027



Explore how AI is being applied across design, planning, project delivery and asset operations. Present your solutions and client success stories in driving project productivity gains and benefits to owners, contractors and the wider AEC community.



Exploring the application of robotics, automation and autonomous systems in improving productivity, precision, safety and maintenance, from pre-fabrication and site operations to critical infrastructure project implementation.

APPLY TO SPONSOR / EXHIBIT TODAY

This April, DCA welcomed senior representatives from government agencies, developers, contractors, consultants, asset owners and technology providers – with attendees from organisations including:

- AECOM
- Bachy Soletanche Singapore Pte Ltd
- Building and Construction Authority
- Buro Happold
- CapitaLand Development
- Chan & Chan Engineering Pte Ltd
- Dacin Construction Co., Ltd.
- Gammon Construction Limited
- Gensler
- Global Infrastructure Solutions Inc.
- India BIM Association
- JTC Corporation
- Kajima Corporation
- Ministry of Public Works and Public Housing (PUPR)
- Obayashi Singapore Private Limited
- Pertubuhan BIM Malaysia
- PLUS Malaysia Berhad
- PT Hutama Karya (Persero)
- Samwoh Corporation Pte Ltd
- Sunway Property
- Taiwan BIM Association
- Woh Hup (Private) Limited

CONTACT US

Mei Shyan Boo - Event Director
+65 9880 4126
meishyan.boo@montgomerygroup.com

Patricia Khoo - Senior Commercial Executive
+65 9749 9142
pat.khoo@montgomerygroup.com

FOR SPONSORSHIPS, SPEAKING & PARTNERSHIPS

Rupert Owen — Co-Founder
+44 7767 463591 rupert.owen@montgomerygroup.com



SAFETY & SECURITY ASIA

10 - 12 NOVEMBER

2026
SINGAPORE
SANDS EXPO &
CONVENTION CENTRE

CO-
LOCATED
WITH:

THE
SECURITY
EVENT ASIA

THE
FIRE SAFETY
EVENT ASIA

THE
HEALTH
& SAFETY
EVENT ASIA

THE EMERGENCY
SERVICES SHOW
ASIA

PRO
INTEGRATION
FUTURE ASIA

APAC'S LARGEST EVENT
SERIES DEDICATED TO THE
SAFETY AND SECURITY OF
PEOPLE, PLACES AND ASSETS

ORGANISE
BY:
Nineteen

REGISTER NOW: <https://www.safetysecurityasia.com/register>



Have something
to tell us? We'd
love to hear from
you!

Write us at admin@sibl.com.sg

Editor and Chair of the Media
Committee : Dr Sussie & Dr Paru



Join us by scanning the
QR Code!