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SGBC Bulletin – September 2024

Developments in Low-Carbon Building Materials



Building elements such as foundations, structural frames and external works contribute the greatest amount of embodied carbon for two key reasons. Firstly, these elements contain carbon-intensive load-bearing materials such as concrete and steel, and secondly, the sheer volume of such materials involved in construction.

With an increased understanding of embodied carbon and its contribution to carbon emissions, the industry has been actively developing low-carbon building materials. From steel to concrete and timber, learn about the various developments in these areas.



Steel, Concrete and Timber



Learn about CO₂-Suicom, a Carbon-Capturing Concrete Solution

Co-developed by Kajima, over half CO₂-SUICOM's cement content is replaced with an environmentally friendly substitute. More importantly, this substitute hardens by capturing carbon dioxide in the air, thereby reducing the carbon dioxide emissions from manufacturing the concrete to net-zero or less.

[Read —](#)

[Kajima Launches Technology Transfer Office in Singapore, The Gear —](#)



A Guide to Understanding Embodied Carbon in Buildings by SGBC



Almost Half of Global Companies are Willing to pay a Premium for Lower Emission Steel and Concrete

A white paper on the Potential of Hydrogen in Decarbonising Steel

[Read —](#)

[Read —](#)



Reducing Embodied Carbon using Recycled Materials as Cement Substitute

[Read —](#)

[Read —](#)

[Full Report —](#)



A guide to Mass Engineered Timber (MET) by BCA

[Read —](#)

[More resources by IEF —](#)

Understanding differing Industry Perceptions of MET: Southeast Asia and Other Regions

[Read —](#)

[Drivers of and Barriers to MET in Singapore —](#)

Industry Updates



Minister Desmond Lee speaks at the NUS Cities Symposium 2024

Underscoring the theme of “Liveable Cities in Uncertain Times”, Minister Desmond Lee spoke about the importance of staying nimble and agile as a nation when planning for uncertainties and complexities. He further elaborated on the need to collaboratively create our liveable city.

[Press release —](#)



Changi Airport Terminal 2 Upgrading and Refurbishment Works completes Ahead of Schedule with the use of Digitalisation Technologies

[Read —](#)



URA offers Developers Gross Floor Area (GFA) Incentives to adopt Energy-Efficient Cooling Systems

[Read —](#)



Grants Available for SMEs: Explore Digital Solutions for Resource Optimisation and Carbon Management curated by IMDA

[Carbon Management —](#)
[Resource Optimisation —](#)



Publication of Enforcement Actions on BCA website, including the Building Control Act and more

[Read —](#)



Standard Consultancy Agreement for Common Contract Form among Public Sector Construction-related Consultancy Services

[Read —](#)



Enterprise Singapore Calls for Public Comments on Proposed and Published Singapore Standards

[Read —](#)

Upcoming **Events**

SGBC Events



22 OCT 2024, 3:00PM – 5:00PM,
LEARNING JOURNEY

**SGBC Learning Journey:
Navigating M&E Solutions for
Green Buildings**

[Register here —](#)



24 OCT 2024, 2:30PM – 5:00PM,
SEMINAR

**SGBC Seminar: Demonstrating
the Value of Natural Ventilation
& Mixed Mode Ventilation in
Green Buildings**

[Stay tuned for more updates!](#)

Industry Events



28 – 30 OCT, CONFERENCE
**TECHINNOVATION 2024:
Discover, Connect, Collaborate**

[Find out more —](#)

[Register here —](#)



14 – 16 NOV, CONFERENCE & EXPO
Green Building Congress India

[Find our more —](#)

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Standards Updates

Bringing you the latest news on standards

30 September 2024

Upcoming Events



Singapore Week of Innovation and Technology (SWITCH) - Power To Innovate

Date: 28 - 30 October 2024

Venue: Marina Bay Sands

Are you ready for Asia's largest celebration of innovation and technology?

From 28 – 30 October 2024 at the Marina Bay Sands (Singapore), join more than 20,000 delegates and over 300 startups at the Singapore Week of Innovation and Technology!

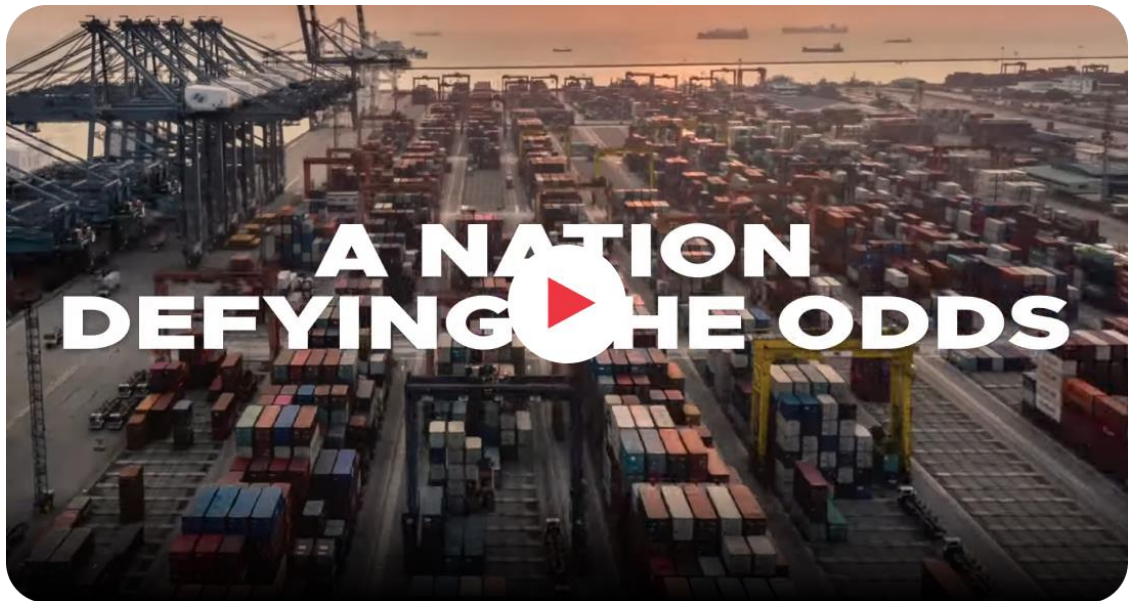
Connect with industry leaders from tech industries such as healthcare, medtech, connectivity, green tech, sustainability, AI, and more.

Power your next innovation at #SWITCHSG, Asia's largest innovation and tech event!

Learn more at www.switchsg.org

Enjoy 20% off SWITCH Beyond sessions when you register before 30 Sep 2024.

[Register now](#)



A promotional banner for the Standards Forum 2024. The background is a dark blue digital circuit board with glowing lines. A hand in a white suit sleeve is pointing at a glowing "Ai" logo. In the top left, the logos for Enterprise Singapore and Singapore Standards Council are displayed. The main text "STANDARDS FORUM 2024" is in a red and white box. Below it, the date and location "15 October 2024 | 1400 – 1700 | Singapore Expo Hall 4" are listed. A "REGISTER NOW" button is in the center. At the bottom left, logos for Hannover Messe and Industrial Transformation Asia-Pacific are shown. At the bottom right, the SG Singapore logo with the tagline "Passion Made Possible" is displayed.

Discover the latest insights on standardisation in sustainability, cybersecurity and AI.

Date: 15 October 2024

Time: 1400 - 1700 hrs

Venue: Singapore Expo Hall 5

In today's rapidly evolving landscape, businesses are prioritising sustainability and digitalization, as well as exploring AI technologies to stay competitive and future-proof.

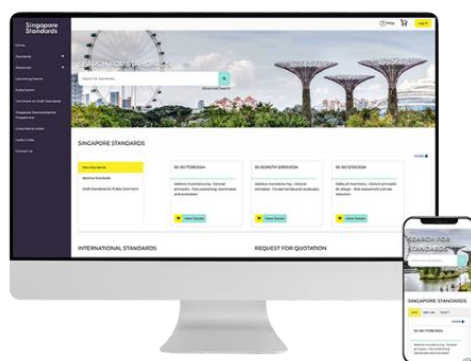
Organised by the Singapore Standards Council and Enterprise Singapore, the Standards Forum aims to share key international and national standards in sustainability, cybersecurity, and AI that are vital for the manufacturing sector.

Find out how standards can support your business journey:

- Learn best practices from industry experts that have used standards to meet sustainability reporting obligations, mitigate cybersecurity threats, and prepare for AI-related regulations.
- Connect with like-minded industry peers to exchange ideas.

[Register now](#)

Singapore Standards eShop



[Visit us now](#)



Stay connected with the Singapore Standards Council

Receive latest industry insights and developments in the standards ecosystem.



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