

# Catalysing Innovation in the Built Environment



The built environment, a cornerstone of modern society, is also a significant contributor to global carbon emissions. As the world grapples with the urgent need to decarbonise, the pressure on the construction industry to innovate and transform has never been greater. Singapore, a city-state renowned for its forward-thinking approach, has an opportunity to lead the charge by fostering an ecosystem that nurtures groundbreaking solutions for a sustainable built environment.

To achieve meaningful decarbonisation, we must shift our focus beyond incremental improvements and embrace radical innovation. This requires a paradigm shift in how we design, construct, and operate buildings. Emerging technologies, such as advanced materials, artificial intelligence and digital twinning, hold immense potential to revolutionise the industry. For instance, sound application of AI to optimise energy consumption can drastically reduce a building's environmental impact.

Within the pages of **SG Green Issue 19.0**, read a collection of stories on how Singapore built environment organisations are pushing the envelope on decarbonisation. The magazine also showcases a selection of sustainable solutions put forward by SGBC Member organisations, each playing its own role in the quest for greater built environment sustainability.

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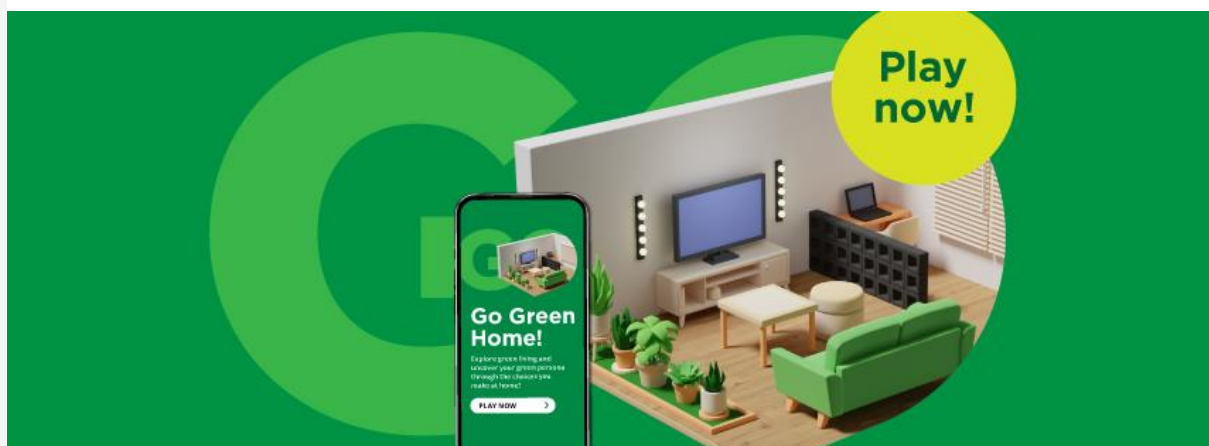
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