

SIBL Build News

MAY 2021



SINGAPORE INSTITUTE OF BUILDING LIMITED



**HAVE SOMETHING TO TELL US?
WE'D LOVE TO HEAR FROM YOU!**

Write us at admin@sibl.com.sg

03
**GREEN LIVING THROUGH APP-
BASED EDUCATION AND
GAMIFICATION**

increasing awareness and
promoting a shift to a sustainable
lifestyle

05
**CONSTRUCTION INDUSTRY
STAKEHOLDERS APPEALING TO
MULTI-MINISTRY TASKFORCE
TO BRING IN FOREIGN WORKERS
IN A SAFE AND CONTROLLED
MANNER**

a plea for sufficient inflow of migrant
workers to sustain the industry

10
**AUTODESK BUILD - THE NEW
PROJECT AND FIELD
MANAGEMENT SOLUTION**

a single solution for project
management, quality, safety, cost,
and closeout by connecting data
workflows, and teams in one
environment.

12
**DEVELOPING A MORE ENGAGING
AND COMPREHENSIVE CAREER
JOURNEY FOR STUDENTS**

supporting and evolving
Singapore's future generation

Green Living Through App-based Education and Gamification

SIBL HAS BEEN AWARDED PART OF THE SG ECO FUND, WHICH GOES TOWARDS SUPPORTING THE CO-CREATION OF SOLUTIONS FOR A SUSTAINABLE SINGAPORE.

The first SG Eco Fund grant call was opened from Nov 25, 2020, to Jan 31, 2021, and more than 200 applications were received from both individuals and organisations.

The SG Eco Fund supports the Singapore Green Plan 2030, which is a national roadmap to advance the Singapore sustainability agenda.

“Achieving 40 years for any organization is a great accomplishment. Elected as the President this year, together with my 40th Board of Directors being Built Environment professionals in our respective fields, it is our responsibility to mobilize the support of our members for concerted actions during our term of office, which works towards advocating a holistic integration of smart, resilient advances of Singapore’s built environment in achieving sustainability.”
- Dr. Sussie Ketit, President of SIBL.



We need to push further and do more to engage sustainability in the community for it to have a meaningful outcome. We understand it is difficult, but this change is a must. What is needed to educate and the best way to sustain education is to blend both empathy and creativity in the educational tools we used. Green Living Through App-based Education and Gamification was conceptualized with that in mind,”

- Farizan d’Avezac de Moran, 2nd Vice President of SIBL, Chairman for Sustainability & Environment Taskforce.

Green Living Through App-based Education and Gamification

PROJECT BRIEF

The “Green Living Through App-based Education and Gamification” project was conceptualized with the intention to increase awareness on environmental issues and to encourage a shift to a sustainable lifestyle.

Having embarked on this journey with the Woodgrove division, the project will raise awareness amongst the residents of Woodgrove on waste, water, and energy resources, through app-based educational games and community engagement events.

The mobile games will be designed keeping in mind the varying age groups and knowledge base of its participants. With the aim to transport gamers to various locations around the world and Singapore, the mobile games will give its users a worldwide and national perspective on the steps taken towards a greener future.

Woodgrove division community engagement events will be designed to encourage a hands-on learning approach to resource conservation. The events will range from workshops and games to larger community activities and flea markets. Along with being educational, these events will be a platform for residents to interact with industry experts.

We are all witnessing climate change and its impact on everything, including economic activities and human survival, though efforts are being made worldwide to arrest its further deterioration but deep inside we know that it is not immediately irreversible in the foreseeable future. However, it does not mean the impossible task need not be started now, as a little step goes a long way and we will take that step against all odds to do our part to preserve our planet and the future of those yet to come.

Woodgrove division community engagement events will be designed to encourage a hands-on learning approach to resource conservation. The events will range from workshops and games to larger community activities and flea markets. Along with being educational, these events will be a platform for residents to interact with industry experts.



***CONSTRUCTION INDUSTRY
STAKEHOLDERS
APPEALING TO MULTI-
MINISTRY TASKFORCE TO
BRING IN FOREIGN
WORKERS IN A SAFE AND
CONTROLLED MANNER***

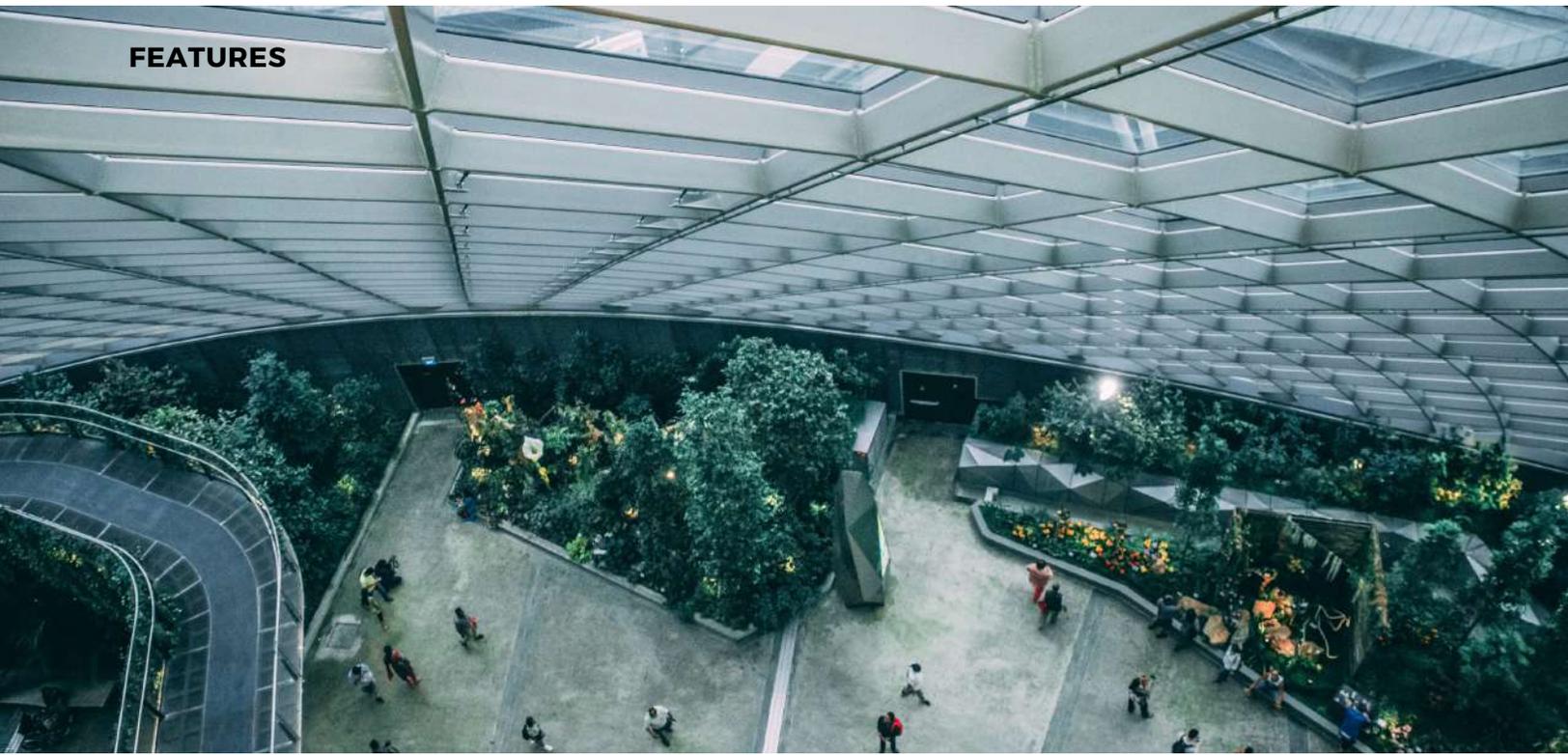
With the Phase 2 heightened alert issued on 14 May, the Built Environment industry (comprising key stakeholders, namely the Association of Consulting Engineers Singapore (ACES), Institution of Engineers Singapore (IES), Real Estate Developers' Association of Singapore (REDAS), Singapore Contractor Association Ltd (SCAL), Singapore Green Building Council (SGBC), Singapore Institute of Architects (SIA), Singapore Institute of Building Limited (SIBL), Singapore Institute of Surveyors & Valuers (SISV) and Society of Project Managers (SPM) understands and supports the Government's efforts to curb a resurgence of COVID-19 cases amidst the emergence of new virus variants in Singapore.



Construction industry stakeholders appealing to Multi-Ministry Taskforce to bring in foreign workers in a safe and controlled manner

However, we have serious concerns about the acute manpower situation for the construction industry. The complexity and nature of construction work necessitate the deployment of workers from various trades, and the current reduced workforce is already working at maximum capacity, increasing the risks of workplace incidents. We are suffering from reduced productivity due to safe management measures at the worksites and many of our migrant workers plan to return home when their work permits expire. The manpower challenges are seriously exacerbated if borders are shut for a prolonged period. Homebuyers waiting for their HDB and private property, which have already been delayed, may have to wait even longer. Public infrastructure projects such as hospitals, MRT, and schools, and industrial developments which are vital to the nation's economy and people's lives would be badly disrupted. Maintenance projects/works would also be stalled. The Built Environment sector consists of over 18,000 firms and hires tens of thousands of Singaporeans. These jobs are at stake if there are further impacts on the sector. The reality is that the industry needs a sufficient inflow of migrant workers, both returning and new ones to take over the place of those who have left Singapore for various reasons, in order to sustain the industry and ensure that we can deliver on our projects.





While we need to maintain tight border control measures to protect Singaporeans, we urge the Government to adopt a balanced approach and work with industry to allow the recruitment and inflow of foreign manpower. We are prepared to work with the relevant agencies and stakeholders to establish a viable end-to-end system to bring in migrant workers in a safe and controlled manner so as to enable work to continue while keeping Singaporeans safe.

The industry also hopes that the Government will consider additional relief measures to help all the stakeholders in the built environment sector to cope with the increased challenges as a result of the tightened border measures.

Even as we address immediate manpower issues, the industry is committed to achieving our medium to long-term transformation goals through accelerating the adoption of labour efficient construction technologies such as prefabrication initiatives, embracing technology to achieve higher productivity in the sector, and redesigning business processes, and upskilling the workforce to create good jobs for Singaporeans.

**Issued by Construction Industry Joint Committee (CIJC)
17 May 2021**

About Construction Industry Joint Committee (CIJC):

CIJC comprises the following key stakeholders in the construction industry / built environment sector:

- Association of Consulting Engineers Singapore (ACES)
- Institution of Engineers Singapore (IES)
- Real Estate Developers' Association of Singapore (REDAS)
- Singapore Contractors Association Ltd (SCAL)
- Singapore Green Building Council (SGBC)
- Singapore Institute of Architects (SIA)
- Singapore Institute of Building Limited (SIBL)
- Singapore Institute of Surveyors and Valuers (SISV)
- Society of Project Managers Singapore (SPM)

Served as a platform to unite all key players in the construction industry and built environment sector, CIJC coordinates their joint efforts to play a key role in the built environment sector and our economy and provides quality feedback to the government on policies affecting the industry and problems facing the sector.



Accrediting Green Building Professionals

The SGBC Green Mark Professional Qualification Scheme succeeds the BCA Green Mark Specialist programme and aims to uplift, upskill and recognise green building competencies of professionals active in the built environment sector.

Certification Types

Green Mark AP

The Green Mark AP certification qualifies industry professionals with the knowledge and expertise needed for the implementation of Green Mark projects.

- Green Mark Accredited Professional (*Green Mark AP*)
- Green Mark Advanced Accredited Professional (*Green Mark AAP*)

Green Mark AP (FM)

The Green Mark AP (FM) certification qualifies industry professionals with the knowledge and expertise needed to maintain and operate green buildings.

- Green Mark Accredited Professional (Facilities Management) [*Green Mark AP(FM)*]
- Green Mark Advanced Accredited Professional (Facilities Management) [*Green Mark AAP(FM)*]

Continuing Professional Development

A key feature of the SGBC Green Mark Professional Qualification Scheme is the establishment of a Continuing Professional Development (CPD) framework for all Green Mark APs. Through a host of meaningful programmes and activities, Green Mark APs are able to remain abreast of industry trends and stay ahead of sectoral developments.

Green Mark AP certifications are renewed annually upon fulfillment of the renewal requirements.

Renewal requirements
for **Green Mark AP** and
Green Mark AP (FM)



12 SGBC-GMAP
CPD Points

Renewal requirements
for **Green Mark AAP** and
Green Mark AAP (FM)



18 SGBC-GMAP
CPD Points

 About the
scheme

 Upcoming
CPD activities

 Renewal
Requirements

 Frequently Asked
Questions

AUTODESK BUILD - THE ALL NEW PROJECT AND FIELD MANAGEMENT SOLUTION



Autodesk Build™, a new project and field management solution and part of Autodesk Construction Cloud®, is now available to users globally.

Initially announced at Autodesk University 2020, Autodesk Build now provides construction teams with a single solution for project management, quality, safety, cost and closeout by connecting data, workflows and teams in one highly-configurable environment.

Easy to deploy, adopt and use, Autodesk Build unifies best-in-class features from BIM 360 and PlanGrid and adds powerful new capabilities to make information immediately available across the entire construction team. Owners, general contractors and specialty contractors can enhance project quality by relying on Autodesk Build for real-time visibility that keeps teams in sync, improves collaboration, mitigates project risk and enables data-driven decision making.

Autodesk Build provides construction teams the power to:

- Manage projects more efficiently – Teams can configure workflows within Autodesk Build so those who need access to information such as RFIs, submittals, meeting minutes and daily reports can do so at any stage of a project. With the relevant workflow data instantly at their fingertips, project managers can readily analyze activities and make data-driven decisions to keep projects on track. Information from all project workflows is immediately connected in Autodesk Docs, the common data environment (CDE), to simplify overall project management.
- Maximize cross-team collaboration – Autodesk Build facilitates real-time collaboration between the field and office, enabling teams to manage project quality from their desktops, laptops and smart mobile devices, and keep everyone engaged in jobsite safety.

AUTODESK BUILD - THE ALL NEW PROJECT AND FIELD MANAGEMENT SOLUTION

- The PlanGrid Build app, purpose-built for mobile field collaboration and included in Autodesk Build, empowers the field to stay connected to the latest quality planning, punchlist and issue management, as well as perform quality assurance and quality control tasks. Field and office teams can also manage safety planning, training, observations and inspections from the Autodesk Build platform to keep jobsites productive and safe.
- Digitize and centralize document management – Autodesk Build consolidates document management and provides a single source of truth to ensure all team members across the construction project lifecycle can access the correct information they need when they need it, regardless of whether they're in the office or field. Document control, versioning and approval capabilities that support 2D sheets, 3D models and easy-to-share markups help keep everyone on the same page to minimize miscommunications and avoidable mistakes that can lead to rework.
- Streamline cost management – A configurable and connected cost management module in Autodesk Build helps teams keep track of any budget changes from one main location. Teams can manage budget creation and contract administration, change orders, cost forecasts and payment applications alongside a real-time view of project health to make informed decisions and mitigate risks to project costs.
- Autodesk Docs – A centralized document management solution that underpins Autodesk Build's CDE, providing users with seamless navigation and integrated workflows to create a single source of truth across the project lifecycle.
- Insights – Analytics capabilities that support the ability to collect, interpret and export project data; encompasses Construction IQ artificial intelligence to identify and mitigate risk.
- Administration – Project setup tools including centralized user management and permissioning capabilities, templates and single-sign-on.

To introduce Autodesk Build, SIBL Director Ms Vanessa Tang will be the keynote speaker in the Masterclass for Builders on 15 June 2021.

See you there!

Vanessa Tang is a SIBL Director and a leading BIM Advisor for guiding firms in the Built Environment to digitise and enhance their Integrated Digital Delivery workflows. She oversees the Corporate Development portfolio at AcePLP, which offers Building Information Modelling, Virtual Design, and Construction, reprography, and digitisation services. Her clients include government agencies, consultants, and contractors working on Singapore's Built Environment projects. She works with Autodesk, Bentley, and Trimble to deliver technological and information management solutions for her clients. She also helps to set up BIM teams and groom future talent for the Built Environment.

As part of Autodesk Construction Cloud, a subscription to Autodesk Build includes and is reinforced by:

Developing a more engaging and comprehensive career journey for students

BY SIDDHI SURESH NEVKAR

SIBL has been serving the industry since 1981 and is committed to developing the careers of students in the Built Environment sector.

SIBL has been working with authorities to provide strategic directions to meet the sector's manpower requirements by developing plans and programmes for students, mid-career entrants, and in-service personnel to achieve the desired outcomes of attraction, retention of the individual in the Built Environment sector and development of skills.

This is particularly important given that there is a severe manpower and talent shortage in the Built Environment.

With SIBL celebrating 40 years, we can look forward to these student-centric activities:

- Employment/Internship opportunities with SIBL EMs
- Career talks
- Webinars/Events/Conferences
- Mentorship programmes for SIBL members
- Articles to publish in E-Build Newsletter for SIBL members
- Publish job postings by SIBL EMs in E-Build Newsletter
- Engagement with IHL and Private Institutes

During the COVID-19 pandemic, SIBL is devoted to support and evolve Singapore's future generation and hence emerge stronger post-COVID era.

Siddhi Suresh Nevkar is a SIBL Associate Director and Chairperson for Young Members Committee (YMC). She is actively involved in collaboration with IHLs to support career talks, career fairs, webinars, publish articles for SIBL E-Build Newsletter authored by students, student's career development, and sponsorship. She diligently participates in the workshops conducted by government agencies to develop plans for IHL students and fresh graduates. She is also an Assistant Project Manager and experienced Planner/Scheduler with a Project Management Consultancy firm.

**HAVE SOMETHING TO TELL US?
WE'D LOVE TO HEAR FROM YOU!**

Write us at admin@sibl.com.sg



**Singapore Institute
of Building Limited**