



**ARCASIA COMMITTEE ON  
GREEN & SUSTAINABLE  
ARCHITECTURE**

# ACGSA REPORT for 45<sup>th</sup> COUNCIL MEETING

Ar. Alice Leong Pek Lian | ACGSA Chair 2024-25

**ACGSA CHAIRMAN**



**AR. IDR. ALICE LEONG PEK LIAN (PAM)**



**45<sup>th</sup> COUNCIL MEETING** | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA Chairmans Missions committed on 7<sup>th</sup> September 2022 @ Ulaanbaatar, Mongolia)



- A** = **Achieving** For Sustainable Development
- L** = **Leading** Architect to A Sustainable Future
- I** = **Impact** For Safe Future Global
- C** = **Climate Change** & Energy Option For Sustainable Future
- E** = **Excellence Educating** For Sustainable Future





ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA Chairmans Missions committed on 7<sup>th</sup> September 2022 @ Ulaanbaatar, Mongolia)



	A	B	C	D	E	F	G	H	I	J	K	
1	 ACGSA: Arcasia Committee on Green & Sustainable Architecture <small>ARCASIA Committee on Green &amp; Sustainable Architecture</small>			ACGSA: Arcasia Committee on Green & Sustainable Architecture 2024 / 2025 - TASKFORCE GROUP						 arcasia <small>Architects Regional Council Asia</small>		
2												
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4	AR. ALICE LEONG PEK LIAN ACGSA CHAIRMAN											
5	↓											
6												
7	ZERO / LOW CARBON EMISSION : NEUTRALITY / CARBON CAPTURE			COMPETITION			NEWSLETTERS		RENEW / UPDATE DECLARATION		WEBINAR / TALKS	
8	LEAD BY: AR. QAZI ARIF (PAST CHAIR)			LEAD BY: AR. DEBATOSH SAHU (PAST CHAIR)  AR. ACHARAWAN (PAST CHAIR)			LEAD BY AR. TUSHAR SOGANI (IMM. PAST CHAIR)		LEAD BY AR. TUSHAR SOGANI (IMM. PAST CHAIR)		LEAD BY: AR. ACHARAWAN (PAST CHAIR)	
9												
10	COMMITTEE: -			COMMITTEE:			COMMITTEE		COMMITTEE		COMMITTEE	
11	1. Tony Ip - HKIA			1. Yaseri Dahlia Apritasari- IAI			1. Gaurev Agrawal - IIA		1		1. Tony Ip - HKIA	
12	2. Michaela Rosette M. Santos-Tayag			2. Ar. Zu'Amali Idris - Puja			2		2		2. Jayantha Perera - SLIA	
13	3. Mary Chan - HKIA			3. Jayantha Perera - SLIA							3. Amornrut - ASA	
14	4. Amornrut -ASA			4. Amornrut - ASA								
15	5. Jayantha Perera - SLIA			5								
16	6. Acharawan Chutaret - ASA											
17	7. He Jing - ASC											
18												
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45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT



## ACGSA 1st half report 2024-2025



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events

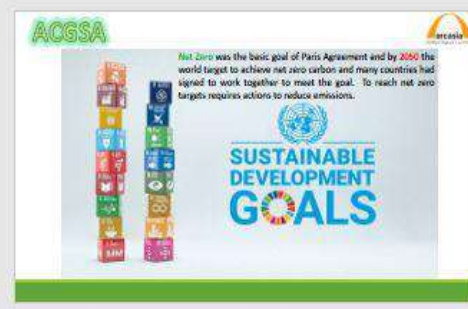
20<sup>TH</sup> January 2024 – Handover of new ARCASIA OB/CC



# ACGSA 2025 ANNUAL REPORT

## ACGSA 2024 Events RECAPS

3<sup>rd</sup> Mach 2024 – Presenting ACGSA’s program / events for 2024 & 2025



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events - RECAPS

13<sup>th</sup> April 2024 – Inter-committee Webinar

**Green & Sustainable architecture green building:** - science and style of buildings designed and constructed in accordance with **environmentally friendly** principles.

**Objective Goals:** -

- To minimize the **resources** consumed in the building's construction, use and operational across Asia Region.
- To **promote** design, construct, operate and maintain buildings energy, water and new materials are **fully utilized**.
- To **reduce** harm done to the **environment** through the emission, pollution and waste of its components as well as amounts of waste causing negative effects to **health well being** across Asia Region.

**ACGSA had conducted Comp related to SDGs**

- ARCASIA SDGs Design Award - Goal 3,6,7,9,11,12,13,15,17

**Incorporating SDGs into green architecture allows for assessing the sustainability of cities and creating healthier environments, communities, and societies.**

## INTER-COMMITTEE SDG WEBINAR 2024

The 17 Sustainable Development Goals (SDGs) aims the ending poverty and other deprivations with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests. ARCASIA representing 22 Architectural Institutes in the Asian Region shall define the way forward for developing our Asian approach on the SDGs. During this Webinar, our Committee Chairs will share their perspectives on how their Committees address, implement and promote these SDGs so that we can conclude to develop some guide for ARCASIA to move on.

**Welcome Speech by**  
**ARCASIA PRESIDENT 2024 -2025**  
**Ar. Saifuddin Ahmad**  
 FPAM MGBC, MIID RAAI (hon member) ASA (Hon. Member) APEC architect ASEAN architect

**Convenor**  
**ARCASIA ZONE C VICE-PRESIDENT 2024 - 2025**  
**Ar. Thomas Cheung**  
 FHKIA HK Registered Architect APEC architect

**DATE : 13 APRIL, 2024 (SAT)**  
**TIME : 14:00 KL TIME (UTC+08:00)**

**GOOGLE FORM & QR CODE FOR REGISTRATION**  
<https://forms.gle/h91tWdNRGQJodzRL8>

**Presentation by 2024 - 2025 ARCASIA COMMITTEE CHAIRS**

**ACAE CHAIRMAN**  
**Ar. Jonathan Manalad**  
 United Architects of the Philippines (UAP)

**ACGSA CHAIRLADY**  
**Ar. Alice Leong Pek Lian**  
 Pertubuhan Akitik Malaysia (PAM)

**ACPP CHAIRMAN**  
**Ar. Zhang Wei**  
 Architectural Society of China (ASC)

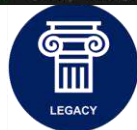
**ACSR CHAIRLADY**  
**Ar. Farhana Sharmin Emu**  
 Institute of Architects Bangladesh (IAB)

**ACYA CHAIRMAN**  
**Ar. Denny Setiawan**  
 Ikatan Arsitek Indonesia (IAI)

**LOVE**  
 ARCASIA 2024 - 2025



**ACGSA**  
 ARCASIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events – RECAPS – 1<sup>ST</sup> MAY 2024 OBCC MEETING @ THAILAND



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45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events – RECAPS

7<sup>th</sup> June 2024 – ACGSA Committee online meeting



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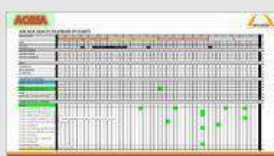
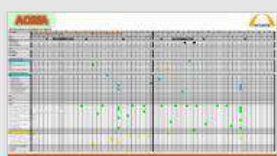
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# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events – RECAPS

4<sup>th</sup> July 2024 – ACGSA Round Table Meeting held in KLCC, Kuala Lumpur, Malaysia.

## ACGSA 1<sup>st</sup> ACGSA 2024-2025 ONLINE MEETING 7 June 2024

Meeting: 1<sup>st</sup> ACGSA Meeting 2024-2025  
 Date: 7 June 2024, Fri  
 Time: 9:00pm-7:00pm  
 Venue: Zoom China



Notes by: ALPL

**Chairman, Interim Past Chair, Past Chairs & Committee Members**

Chairman	Ar. Alice Leong Pek Lian	(ALPL)
Interim Past Chair	Ar. Yusber Segar	(YS)
Past Chairman	Ar. Achoburawan Chutnant	(AC)
Past Chairman	Ar. Eshoban Chhu	(ES)
Past Chairman	Ar. Qaid Arit	(QA)
Committee	Ar. Donna Wu (AMM)	(DW)
	Ar. Dr. Hu Jing (ASG)	(HJ)
	Ar. Teay Yi (HKA)	(TY)
	Ar. Tevijana Ni Vignani (KA)	(TNV)
	Ar. Do Non The (KBA)	(DN)
	Ar. Anomrat Det Udomsop (ASA)	(ADU)
	Ar. Yawar Durr Hoque (YDH)	(YD)
	Ar. Tan Sze Huan (SA)	(TS)
	Ar. Gaurav Agrawal (GA)	(GA)
	Ar. Sigrid Inem Khor (SIK)	(SI)
	Ar. Sawitri Pramathikan (SPA)	(SP)
	Ar. Ruchi Ekacharya (ESONA)	(RE)
	Ar. Michaela Rowland M. Santos-Tayang (MRS)	(MR)
Observer	Ar. Mary Chan (HKA)	(MC)
	Ar. Stephen Ho (HKA)	(SH)
	Ar. Jayantha Purera (SLA)	(JP)

Attendee by invitation: 18

Attachments: 5: Chairman's presentation – Key Programs 2024-2025

AGENDA	ACTION BY:
1.0 Convening of 1 <sup>st</sup> ACGSA Committee Meeting	INFO
1.1 Welcome Remarks - Chairman, Ar. Alice Leong Pek Lian	INFO
1.2 Special Deliver - Interim Past Chair, Ar. Yusber Segar	INFO
1.3 Special Remarks - Past Chairs - Ar. Achoburawan Chutnant, Ar. Eshoban Chhu, Ar. Qaid Arit	INFO
2.0 Matters for balling at the 1 <sup>st</sup> ACGSA Meeting	INFO
2.1 Chairman presented ARCSIA President's vision of 2024-2025	INFO
2.2 Chairman presented her mission and vision of 2024-2025 for ACGSA	INFO
2.3 Chairman presented the 2024-2025 ACGSA programs	INFO

Prepared by ACGSA Secretariat, KL

### ARCASIA Committee on Green & Sustainable Architecture

#### 2024, 14th ROUND TABLE MEETING @ KUALA LUMPUR, MALAYSIA

4th July 2024, 14:00pm onwards (GMT+8:00)

**Theme:**  
 Integration of AI in architecture for Carbon Neutrality, aligning with Sustainable Development Goals (SDGs) and Environmental, Social, and Governance (ESG) criteria.

"Innovative architecture merging AI for carbon-neutral future sustainability designs. To address climate change, artificial intelligence (AI) presents a promising avenue for innovative solutions. AI can be a great tool for driving zero / low carbon emissions; carbon neutrality and carbon capture storage as it can be used to enhance circularity by using data to assess how best to repurpose and reuse materials from buildings nearing the end of their lifecycle."

**PAM** PERTUBUHAN AKITEK MALAYSIA  
 MALAYSIAN INSTITUTE OF ARCHITECTS



ACGSA 1<sup>st</sup> ACGSA 2024-2025 ONLINE MEETING 7 June 2024

AGENDA	ACTION BY:
1.1 Mission and Vision: Create more healthy, livable & Sustainable Communities in Construction Industry	INFO
1.2 ACGSA Key programs 2024-2025 1. Zero Net Carbon Emission: Carbon Neutrality & ESG Dashboard 2. Competitiveness & Excellence 3. ESG/ Sustainability Value 4. Upgrade of ACGSA Declaration 5. Collaboration - Company 6. Resilient Architecture: Adaptable	INFO
1.3 Chairman discussed the mission, vision, and goals. She emphasized the importance of sustainable development and green AI, and her vision to create a digital design. Chairman also suggested committee to discuss in detail of the framework of dashboard on Carbon Neutrality and Green Capture. Strongly, Additionally, she highlighted the need to implement digital and intelligent architecture as well as sustainable development. Target to Year 2030 to reach the goal.	INFO
1.4 Chairman presented the event calendar of 2024-2025	INFO
1.5 Meeting on upcoming ACGSA 1 <sup>st</sup> Round Table Meeting @ 4 <sup>th</sup> July 2024, Kuala Lumpur, Malaysia (Theme: Innovation, Sustainability, Growth)	INFO
4.0 Others Matters arising from the committee	INFO
4.1 Chairman presented the agenda for the upcoming Round Table Meeting which will be held on 4 <sup>th</sup> July 2024	INFO
4.2 Interim Past Chair, Ar. Yusber Segar, Ar. Achoburawan Chutnant (AC) and Eshoban Chhu (ES) were delighted with Chairman's vision especially as for a new member, gratitude which is great	INFO
4.3 AC emphasized the importance of the dashboard in raising awareness and encouraging action towards a net carbon target	INFO
4.4 TB agreed to take lead to the committee and proposed that the committee should work with other members, carbon neutrality & ESG dashboard. She will be welcome committee to participate in the project.	INFO
4.5 CA suggested Chairman to appoint a working group for all the programs.	INFO
4.6 TB to meet to ACGSA Declaration	INFO
4.7 TB will to meet the ACGSA Working Group	INFO
4.8 Head of Committee on Green & Sustainable Architecture (ACGSA) will lead the Competitiveness & Excellence Group	INFO
4.9 DG will lead the Carbon Neutrality Group	INFO
4.10 DG suggested NCA to invite the upcoming ACGSA Round Table Meeting theme with the September 2024 ACGSA 22 Forum which will be held at Sri Lanka - Artificial Intelligence, environment & Sustainability	INFO
4.11 DG outlined the competitiveness group progress. Chairman suggested 2 groups: Corporate and Shared and target to meet 3 representatives for year 2024 & ACGSA 22 Forum	INFO
4.12 MC agreed to coordinate with USA SDGCA representatives to provide the committee with data to SDCA Commission, so that an objective activities will be more visible. Chairman will be giving the task to other members participate that will be opportunity to collaborate	INFO

Ar. Alice Leong Pek Lian  
 Chairman 2024-2025

ACGSA 1<sup>st</sup> ACGSA 2024-2025 ONLINE MEETING 7 June 2024

AGENDA	ACTION BY:
5.0 Contribution	ALL
5.1 Chairman formulated the meeting with a goal setting incorporated into all ACGSA operational matters to meet the: • 2024-2025 new committee vision and supported office to involve • Participants / delegates who will be attend the Round Table Meeting @ KL on 4 <sup>th</sup> July 2024 – see list will be attached • Facebook group list	ALL
6.0 Next Meeting	INFO
6.1 Agreement	INFO
6.2 The next ACGSA Committee Meeting	INFO
Meeting Date:	
Time:	
Venue:	

Ar. Alice Leong Pek Lian  
 Chairman 2024-2025

## ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE (ACGSA)

4 JULY 2024

KUALA LUMPUR CONVENTION CENTRE, MALAYSIA

**Ar. Adjunq Prof. Ar. Adrianta Aziz**  
 President 2024/2025  
 Pertubuhan Akitek Malaysia (PAM)

**Ar. Saifuddin Ahmad**  
 President 2024/2025  
 Architects Regional Council Asia  
 ARCSIA Committee on Green & Sustainable Architecture

**Ar. Alice Leong Pek Lian**  
 Chairman 2024/2025  
 ARCSIA Committee on Green & Sustainable Architecture



**ACGSA**  
 ARCSIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

## ACGSA 2024 Events – RECAPS 4<sup>th</sup> July 2024 – ACGSA Round Table Minutes of Meeting

ACGSA

14TH ACGSA ROUNDTABLE MEETING  
4<sup>th</sup> July 2024



Meeting : 14th ACGSA Roundtable Meeting -  
Date : 4th July 2024, Thursday  
Time : 2.00pm-7.00pm  
Venue : Lounge Hall 4 @ KLCC, Malaysia

Next Meeting :  
Date :  
Time :  
Venue :

Notes by : ALPL

### Chairman, Imm Past Chair, Past Chairs & Committee Members

Chair	Chairman	Ar. Alice Leong Pek Lian	(ALPL)
	Imm. Past Chair	Ar. Tushar Sogani	(TS)
	Past Chairman	Ar. Achacurawan Chutarat	(AC)
	Past Chairman	Ar. Debatosh Sahu	(DS)
	Past Charman	Ar. Qazi Arif	(QA)
Committee		Ar. Donna Wu (AAM) – (Online)	(DW)
		Ar. Dr. He Jing (ASC) – (Online)	(HJ)
		Ar. Tony IP (HKIA)	(TIP)
		Ar. Terukazu Ni / Vasanti (JIA)	(TN/VA)
		Ar. Do Kyu Tae (KIRA) – (Online)	(DO)
		Ar. Amornrut Det Udomsap (ASA)	(Fix)
		Ar. Yaseri Dahlia Apritasari (IAI)	(YA)
		Ar. Sarly Sarkum (PAM)	(SA)
		Ar. Zul Idris (PUJA)	(ZI)
		Ar. Tan Szue Hann (SIA)	(TSH)
	Ar. Gaurav Agrawal (IIA)	(GA)	
	Ar. Sujaul Islam Khan (IAB)	(SIK)	
	Ar. Damith Premathilake (SLIA)	(DP)	
	Ar. Sakar Shrestha (SONA) – (Online)	(SS)	
Observer		Ar. Michaela Rosette M. Santos-Tayag (UAP) –(Online)	(MR)
		Ar. Mary Chan (HKIA) – (Online)	(MC)
		Ar. Axou Hui (PAM)	(AH)
		Ar. Jayantha Perera (SLIA) – (Online)	(JP)
		Ar. Ruchi Bajracharya ((SONA) – (Online)	(RB)

### Attendee by invitation

- nil -

### Attachments

1. Meeting Agenda, Task Force Group List & Country Reports (Link shared)

AGENDA		ACTION BY:
1.0	Convening of 14 <sup>th</sup> ACGSA Roundtable Committee Meeting	INFO
1.1	Open Remarks – ACGSA Chairman, Ar. Alice Leong Pek Lian	
1.2	Welcome Address – ARCASIA President, Ar Saifuddin Ahmad	
1.3	Special Deliver - Imm. Past Char, Ar. Tushar Sogani	
1.4	Special Remarks- Past Chairs: - a. Ar. Acharawan Chutarat b. Ar. Debatosh Sahu c. Ar. Qazi Arif	
1.5	Special Address – PAM President, Ar. Adrianta Aziz	

Prepared by ARCASIA Secretariat, KL  
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ACGSA

14TH ACGSA ROUNDTABLE MEETING  
4<sup>th</sup> July 2024



AGENDA		ACTION BY:
2.0	Confirmation of Previous minutes of meeting no.01 1. Ar. Gaurav Agrawal – Approved 2. Ar. Tony IP - Seconded	INFO
3.0	Agenda for the 14 <sup>th</sup> ACGSA Committee Roundtable Meeting 3.1 Reports from Zone A, B & C – Theme given & Country Reports 3.2 Follow-Up on the taskforce group lead by Imm.Past Chairs & Past Chairs of ACGSA progress 3.3 Re-appointing Zones' Representatives 3.4 Other Matters arising	INFO
4.0	Reports from Zone A, B & C - focusing on Integration of A.I. in Architecture for Carbon Neutrality, aligning with SDGs and ESG & Country Reports. Country Reports will be shared via google link	INFO
5.0	Re-appointing Zone Representatives: - 1. Zone A – Ar. Gaurav Agrawal (IIA) – Proposed: ALPL and committee agreed unanimously. 2. Zone B – Ar. Amornrut Det Udomsap (ASA) – Proposed: ALPL committee agreed unanimously. 3. Zone C – Ar. Donna Wu (AAM) – ALPL proposed to remain Ar.Donna Wu, committee agreed unanimously. The Zone Representatives shall play the roles to communicate with the committee members from respective zone and coordinating task assign and reporting back to taskforce group leaders and the Chairman	INFO
6.0	ACGSA Taskforce Group 2024-2025 breaks down into 5 groups which will be led by the Immediate Past Chairman and 3 Past Chairman of ACGSA – Refer attachment. Committees are welcome to out in their names in the group they would like to work on. a) QA suggesting Chairman to work out the road mar of the tasks and objectives for the Sri Lanka, Colombo – ACA Forum 22; QA suggested the green exhibition and newsletters to be led by the Past Chairs who had been and still doing the task e.g. Ar Debatosh Sahu (DS) & Ar Tushar Sogani (TS). Meantime QA is seeking at least 1 committee from each zone to join his group working on the guidebook. Chairman highlighted China is interested to join and they have a group of teams who are keen to assist. b) TS supports the guidebook and it is important to implement it and bring to the country's policy maker to improve and push for the sustainability, SDGs, ESG etc for better future of architecture industry. c) SS highlighted that currently SONA is working on SDGs focusing on "Hunger" target is for homeless people and hope that to spread the knowledge to more student and young architects and SONA hope that ARCASIA could support I financial matter; Meantime, SONA hope ACGSA could conduct a webinar focusing on Green Certification Rating Tools to enlighten SONA as they are in the midst of developing their own tools. Chairman taken notes and Past Chair Acha to look into this matter.	On-Going
7.0	Others Matters arising from the committee	NIL
8.0	Chairman concluded the meeting as follows: - a. ACGSA committee members to confirm the attendance of attending the ACA Forum 22 which will held in Colombo Sri Lanka in September 2024. b. Urged committee to update the ACGSA Committee List 2024 especially country has yet provided new representative c. Promoting UIA forum which will held in KL, Malaysia in November 2024 d. Next Roundtable meeting – target to be held in Wuhan in March 2025 - TBC	
9.0	Meeting adjourned at 7pm (MYT)	INFO

Ar. Alice Leong Pek Lian  
Chairman 2024-2025

Prepared by ACGSA Chairman  
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ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea


# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events – RECAPS

5<sup>th</sup> Oct 2024 – 2<sup>nd</sup> ACGSA committee online Meeting



**ACGSA** 2<sup>nd</sup> ACGSA COMMITTEE MEETING  
5<sup>th</sup> October 2024



Meeting: 2<sup>nd</sup> ACGSA Online Meeting  
Date: 4<sup>th</sup> October 2024, Friday  
Time: 5.00pm - 6.00pm  
Venue: Zoom Online

Next Meeting  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_  
Venue: \_\_\_\_\_

Notes by: ALFL

Attendee: (7)

**Chairman, Inam Past Chair, Past Chairs & Committee Members**

Chair	Chairman	Ar. Alice Leong Pek Lian	(ALFL)	✓
	Inam Past Chair	Ar. Tazuki Sugarti	(TG)	✓
	Past Chairman	Ar. Achurawan Chutarat	(AC)	✓
	Past Chairman	Ar. Debatosh Sahu	(DS)	✓
	Past Chairman	Ar. Qazi Arif	(QA)	✓
		Ar. Donna Wu (AAM)	(DW)	✓
		Ar. Dr. He Jing (ASC)	(HJ)	✓
		Ar. Tony Ip (IPGA)	(TI)	✓
		Ar. Terukazu Ni / Yasenti (JIA)	(TNVA)	✓
		Ar. Do Kyu Tae (KRA)	(DK)	✓
		Ar. Amornrut Det Udornsap (ASA)	(Fix)	✓
		Ar. Yaseri Dahies Apritasi (IA)	(YA)	✓
		Ar. Saliy Sarkum (PAM)	(SA)	✓
		Ar. Zul'Idris (ZUIA)	(ZI)	✓
		Ar. Tan Sze Han (SIA)	(TSH)	✓
		Ar. Gaurav Agrawal (IA)	(GA)	✓
		Ar. Sujal Islami Khan (IAS)	(SIK)	✓
		Ar. Damith Premathilake (SLIA)	(DP)	✓
		Ar. Sakar Shrestha (SONA)	(SS)	✓
Observer:		Ar. Michaela Rosette M. Santos-Tayang (UAP)	(MR)	✓
		Ar. Mary Chen (HKIA)	(MC)	✓
		Ar. Assu Hui (PAM)	(AH)	✓
		Ar. Jayantha Perera (SLIA)	(JP)	✓
		Ar. Ruchi Bapacharya (SONA)	(RB)	✓


Attendee by invitation: nil

Attachments:  
1. Meeting Agenda, Task Force Group List & Country Reports (Link shared)

AGENDA	ACTION BY:
1.0 Convening of 2 <sup>nd</sup> ACGSA Committee Meeting	
Confirmation of Previous minutes of meeting no.01	INFO
1. Ar. Tan Sze Han – Approved	
2. Ar. Achurawan Chutarat - Seconded	

Prepared by ACGSA Chairman  
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**ACGSA** 2<sup>nd</sup> ACGSA COMMITTEE MEETING  
5<sup>th</sup> October 2024



AGENDA	ACTION BY:
2.0 Agenda for the 2 <sup>nd</sup> ACGSA Committee Meeting	INFO
2.1 Taskforce group update: - • Number of committeees join • Target frameworks from each task group	
3.0 Task Group 1 - Guidebook • Ar. Qazi Arif urged at least 1 committee member represent from each Zone to be involved. • As of the meeting China -Zone C has put in their participation • Chairman encourage more committee to join this group as more information input the more comprehensive the guidebook will be and this guidebook will be very useful to be used by ARCASIA members to liaise with their country policy maker as reference guide to push for SDGs Zero Carbon emission and carbon neutrality	GA
4.0 UIA Forum (November 2024) @ KL, Malaysia a) Ar. Qazi Arif proposed to have a small ACGSA committee meeting to further discuss the detail and progress for all the groups' taskforce. Chairman will discuss with PAM and update committee again.	ALFL
5.0 Task Group 5 - Webinar / Seminar Talk • Ar. Acha will arrange a webinar focusing on green tool certification relate to carbon neutrality, which was requested by SONA during the Roundtable meeting held on 4 <sup>th</sup> July 2024 to have a talk on green tool certification. • Target tentative the date shall be December 2024. • AC will propose the webinar theme • Speakers: - o Zone A – Ar. Jayantha – SLIA o Zone A: TBC o Zone B – Ar. Tan Sze Han o Zone B – PAM o Zone C – Ar. Tony Ip o Zone C – TBC	AC
6.0 Task Group 2 – Competition • Ar. Debatosh Sahu will liaise with SLIA for sponsoring the competition event • Ar. Acha target the competition shall start by 1 <sup>st</sup> November 2024 to catch the SLIA ACA Forum in January 2025. Detail will be provide later	DS AC
7.0 Meeting adjourned at 6:15pm (MYT)	INFO

Ar. Alice Leong Pek Lian  
Chairman 2024-2025

Prepared by ACGSA Chairman  
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# ACGSA 2025 ANNUAL REPORT



# ACGSA UPDATE REPORT

GREEN AsiARCH2025

Exhibition of Green and Sustainable Practice of Architecture in Asia

ACGSA 2025 Events – RECAPS 13<sup>th</sup> - 18<sup>th</sup> January 2025 @ Colombo, Sri Lanka

**RAAJKUTIR**

Green AsiARCH - 06, 2024-25  
at  
Colombo, Sri Lanka

arcasia Architects Regional Council Asia

ACGSA

**TENAGA NASIONAL**  
The Power of Nature

**TNB PLATINUM**  
BANGSAR | KUALA LUMPUR | MALAYSIA

Country: Malaysia  
Name of Project: TNB Platinum  
Location: Bangsar, Kuala Lumpur  
Area: 13.62 Acres  
Built Area: 146,857 sqm  
Year of Completion: November 2023

**BRIEF DESCRIPTION**  
TNB Platinum is an expression from TNB in creating a sustainable complex consisting of its residential site and the extension of their design for housing a Corporate Campus in line with its 100-year anniversary. Completed in November 2023, a complex of 1300+ Units of Corporate Campus with supporting spaces of Food court, Children and Family & Club (Club Building). Essentially, TNB Platinum is a sustainable complex of 1300+ Units of Corporate Campus in a sustainable design, along with a residential center, it aims to be a landmark of the surrounding residential neighborhood and a prime hospital in the residential vicinity.

**DESIGN CONCEPT**  
Inspired by a green campus, TNB Platinum represents the vision and ambition of Malaysia's largest electricity company for the next generation development. Built next to TNB's original 1959 HQ office, the 146,857 sqm development is a combination of four other blocks: corporate center and ancillary buildings, but within a sustainable residential village and office within the landscaped grounds. The essence of development here, is to always be a prime place for a long-term built environment center - compatible to the surrounding of Prime Hospital and surrounding residential study, including the existing campus campus.

The project reflects the vision of a truly sustainable development, from landscape, form and green space that reduce heat and solar radiation by sun-path design, solar wall, photovoltaic design and GPR (Photovoltaic) water, a sustainable a commitment to green and environment not just in design but also in sustainable culture and business development, embodied by professional knowledge, skills and expertise.

**AWARDS**

1. PAM Gold Awards 2023 – Commercial Highrise
2. GBI Platinum Certified Building
3. Gold Award – The Edge Malaysia
4. ILAM Sustainable Landscape Award

Green AsiARCH - 06, 2024-25  
at  
Colombo, Sri Lanka

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PAM

ACGSA

**HD HYUNDAI GLOBAL R&D CENTER**

Green AsiARCH 2024-25  
at  
Colombo, Sri Lanka

arcasia Architects Regional Council Asia

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45<sup>th</sup> COUNCIL MEETING | 8<sup>th</sup> - 12<sup>th</sup> September 2025 | Incheon, South Korea

# ACGSA UPDATE REPORT

ACGSA 2025 Events – RECAPS

GREEN AsiARCH2025

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**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE**



ACGSA REPORT for |

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# ACGSA 2025 ANNUAL REPORT

ACGSA 2025 Events – RECAPS

13<sup>th</sup> - 18<sup>th</sup> January 2025 @ Colombo, Sri Lanka

GREEN AsiARCH2025

Exhibition of Green and Sustainable Practice of Architecture in Asia



## List of Projects Submission for ACGSA Green AsiARCH 2024-25, ACA Forum 22 (14<sup>th</sup> - 18<sup>th</sup> Jan 2025) Colombo Sri Lanka

### INDIA (IIA) – (14 nos. boards)

1. Forbes Marshall : Ar. Christopher Charles Benninger - (Total 6 nos. A2 Size Boards)
1. 2. RaajKutir : Ar. Vivek Singh Rathore, Ar. Anuradha Puri Rathore - (Total 8 nos. A2 Size Boards)

### THAILAND, (ASA) – (12 nos. boards)

1. Headquarter of Council of Engineers : Ativich + Team SQ - (Total 6 nos. A2 Size Boards)
2. DTGO Campus : DT Design Corporation Limited - (Total 6 nos. A2 Size Boards)

### CHINA (ASC) – (4 nos. boards)

1. Future Graden of Jiangsu Horticultural Expo Park : Ar. Kau Cui & Ar. Fei Guan (China Architecture Design & Research Group Land-based Rationalism D.R.C.) - (Total 2 nos. A2 Size Boards)
2. Xiong'an Design Center : Ar. Cuikai & Ar. Liuheng - (Total 2 nos. A2 Size Boards)

### Hong Kong (HKIA) – (12 nos. boards)

1. Chung Chi Student Development at The Chinese University of Hong Kong – Leigh & Orange Limited - (Total 6 nos. A2 Size Boards)
2. Kwun Tung Balancing Tanks – Alead - (Total 6 nos. A2 Size Boards)

### Bangladesh (IAB) – (4 nos. boards)

1. Baral Bidya Niketan : Ar. Iqbal Habib (Team Leader), Ar. Ishtiaque Zahir, Ar. Shahnaz Parvin (Total 2 nos. A2 Size Boards)
2. Fakir Eco Knitweares Ltd : Ar. Nahas Ahmed Khalil & Ar. Momanul Islam Emun (Total 2 nos. A2 Size Boards)

### Pakistan (IAP) – (14 nos. boards)

1. Farmhouse 5A : Ar. Suhail A. Abbasi & Ar. Fawad Suhail Abbasi; Company: Suhail & Fawad Architects - (Total 8 nos. A2 Size Boards)
2. Qubeb : Ar. Affan Ahmad & Ar. Dawar Zia & Ar. Muhammad Ali - (Total 6 nos. A2 Size Boards)

### Japan (JIA) – (12 nos. boards)

1. Good Cycle Building 001 : Nori Architects + ASANUMA Inc - (Total 6 nos. A2 Size Boards)
2. ONOJI Apartment Complex : Ar. Takahiro Yamada (BIOFORM architectural design studio Co. Ltd); Ar. Michio Tase (PLAMTAGO Inc.); Ar. Masayuki Takagi (ARCHINOVA Ltd.); Ar. Akiko Kamata (Unittane inc.); Ar. Ryoko Yoshida (Yomoyama architect office); Ar. Yukako Ikebe (Ikebe Architects); Ar. Haruka Akiyama (KyotoGyoen National Garden) - (Total 6 nos. A2 Size Boards)

### South Korea (KIRA) – (1 no. board)

1. HD Hyundai Global R&D Center - Heerim Architects & Planners Co. Ltd. & NIKKEN SEKKEI LTD - (Total 1 no. A2 Size Boards)



### Malaysia (PAM) – (13 nos. boards)

1. TNB Platinum Office Towers, Peltawanis, and Childcare Centre : Neuformation Architect Sdn Bhd in Collaboration with Woods Bagot - (Total 6 nos. A2 Size Boards)
2. Merdeka 118 : Fender Katsalidis (Design Architect) & RSP Architects Sdn Bhd (Architect of Records) - (Total 7 nos. A2 Size Boards)

### Brunei (PUJA) – (7 nos. boards)

1. Pantai Jerudong Specialist Centre – PJSC (Brunei Cancer Centre and Brunei Neuroscience Stroke Rehabilitation Centre) : ARKITEK TING (Project Architect) & CIAP Architects Pte.Ltd. (Design Architect) - (Total 7 nos. A2 Size Boards)

### Singapore (SIA) – (13 nos. boards)

1. Equatorial School of Architecture : Ar. Erik L'Heureux FAIA, MSIA (CPG Consultants Pte. Ltd) - (Total 7 nos. A2 Size Boards)
2. GAIA : Tokyo Ito & Associates, Architects (Design Architect) & RSP Architects Sdn Bhd (Local Architect) - (Total 6 nos. A2 Size Boards)

### Philippines (UAP) – (8 nos. boards)

1. MACTAN International Airport : Ar. Winston Shu (Integrated Design Associates (IDA) Ltd) (design architect) in collaboration with Budji + Royal - (Total 4 nos. A2 Size Boards)
2. PARQAL : Aedas (Design Architect) in collaboration with Visionarch (Local Architect) - (Total 4 nos. A2 Size Boards)

### Indonesia (IAI) – (4 nos. boards)

1. JB Tower – Ar. Budiman Hendropurnomo (DCM (Duta Cermat Mandiri)) – (2 Nos. A2 Boards)
2. Gran Rubina – Ar. Tiyok Prasetyoadi & Ar. Archicha Danisworo (PDW (PT Pandega Desain Weharima)) – (2 nos. A2 boards)

### Sri Lanka (SLIA)

Overall 13 Countries Submitted  
Total = 118 nos. of A2 size boards

Prepared by:  
Ar. Alice Leong Pek Lian  
Chairman, ACGSA  
Date: 10<sup>th</sup> Jan 2025

Submission as of 10 January 2025

13 Countries  
118 nos. boards



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ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

ACGSA 2024 Events – RECAPS

14<sup>th</sup> January 2025 – Committee Meeting @ Colombo, Sri Lanka



**ARCASIA Committee on Green & Sustainable Architecture**

**ACGSA COMMITTEE MEETING @ COLOMBO, SRI LANKA**

**14<sup>TH</sup> JANUARY 2025,**

**10:00am – 17:00 pm (GMT+8:00)**

**Theme:**

**Designing Sustainable Architecture with Artificial Intelligence (A.I)**



ACGSA REPORT for |

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# ACGSA 2025 ANNUAL REPORT

14<sup>th</sup> January 2025 – Committee Meeting @ Colombo, Sri Lanka

## ACGSA

ACGSA COMMITTEE MEETING  
14<sup>th</sup> January 2025



Meeting : ACGSA Committee Meeting  
Date : 14<sup>th</sup> January 2025, Tuesday  
Time : 10.00am-6.10pm  
Venue : Mihilaka Medura @ BMICH, Colombo, Sri Lanka

Next Meeting :  
Date :  
Time :  
Venue :

Notes by : ALPL

Attendee: - (N)

Chairman, Imm Past Chair, Past Chairs & Committee Members

Chair	Chairman	Ar. Alice Leong Pek Lian	(ALPL)	✓
	Imm. Past Chair	Ar. Tushar Sogani	(TS)	✓
	Past Chairman	Ar. Achacurawan Chutarat	(AC)	✓
	Past Chairman	Ar. Debatosh Sahu	(DS)	✓
	Past Chairman	Ar. Qazi Arif	(QA)	✓
Committee		Ar. Donna Wu (AAM)	(DW)	✓
		Ar. Dr. He Jing (ASC)	(HJ)	✓
		Ar. Tony IP (HKIA) - online	(TIP)	✓
		Ar. Terukazu Nii / Vasant (JIA)	(TNVVA)	✓
		Ar. Do Kyu Tao (KIRA)	(DO)	✓
		Ar. Amornut Det Udomsap (ASA)	(Pix)	✓
		Ar. Yasen Dahila Apritasari (IAI)	(YA)	✓
		Ar. Sarly Sarkum (PAM)	(SA)	✓
		Ar. Zul Idris (PUJA)	(ZI)	✓
		Ar. Tan Szuze Han (SIA) - online	(TSH)	✓
		Ar. Jyoti Panse (IIA)	(JP)	✓
		Ar. Saida Mumu (IAB)	(SM)	✓
		Ar. Damith Premathilake (SLIA)	(DP)	✓
		Ar. Sushmita Ranjit Shrestha (SONA)	(SRS)	✓
		Ar. Mishaal Merchant (IAP)	(MM)	✓
		Ar. Joan S.De Leon-Tabares (UJAP)	(JLT)	✓

Observer

		Ar. Sakar Shrestha (SONA) - online	(SS)	✓
		Ar. Mary Chan (HKIA) - online	(MC)	✓
		Ar. Jahangir (IAP)	(JH)	✓
		Ar. Axxu Hui (PAM)	(AH)	✓
		Ar. Jayantha Perera (SLIA)	(JP)	✓
		Ar. Dr. Khurshid Zabin Hossain Taufique (IAB) - online	(RB)	✓
		Mr. Ming Kuang (SIA)	(MK)	✓
		Ar. Sonny Chionh (SIA) - online	(SC)	✓
		Ar. Kazi Dilu (IAB)	(KD)	✓

Attendee by invitation

- nil -

Attachments

- Meeting Agenda, Task Force Group List & Country Reports (Link shared)

AGENDA	ACTION BY:
1.0 Convening of ACGSA Committee Meeting @ Colombo Sri Lanka on 14 <sup>th</sup> January 2025	
1.1 Confirmation of Previous minutes of meeting no.02 dated 4 <sup>th</sup> October 2024	INFO
1. Ar. Qazi Arif – Approved	
2. Ar. Tushar Sogani - Seconded	

## ACGSA

ACGSA COMMITTEE MEETING  
14<sup>th</sup> January 2025



AGENDA	ACTION BY:
2.0 Agenda for the 15 <sup>th</sup> ACGSA Committee Meeting Open Remarks – ACGSA Chairman, Ar. Alice Leong Pok Lian Special Deliver – Imm. Past Chair, Ar. Tushar Sogani Special Remarks- Past Chairs: - a. Ar. Acharawan Chutarat b. Ar. Debatosh Sahu c. Ar. Qazi Arif	INFO
3.0 Agenda for the 14 <sup>th</sup> ACGSA Committee Roundtable Meeting	INFO
3.1 Reports from Zone A, B & C – Theme given & Country Reports. Refer google link shared	
3.2 Special Remarks by ARCASIA President	
3.3 Welcome Address by President of SLIA	
3.4 Continue of Country report by Committee member	
3.5 Workshop of Net Zero Carbon & Carbon Neutrality Guidebook	
3.6 Discussion of the draft ACGSA Declaration	
3.7 Other Matters arising	
4.0 ACGSA Declaration 2025 – Zero Carbon Emission, Carbon Neutrality and Carbon Capture Storage in Sustainable Architecture	
4.1 The Chairman presented the draft of the declaration to the committee members. Refer attachment Appendix A. Declaration 2025 will have no expiry date	INFO
4.2 Ar. Sarly (SS) to let committee members to access through google link to review and comment. Chairman agreed to share after the meeting.	ALPL
4.3 SS proposed to change few words as follows: - a. change the "commitment to Zero carbon Emissions" to "Cradle of Grave"; refers to the full life cycle of products, encompassing every stage from saw material extraction to disposal or recycling b. change the "Carbon Neutrality Goal" to "aiming towards Carbon Neutrality" c. change the Implementation of Carbon Capture and Storage" to "The creation of Carbon Reduction Methodology through Technology"	INFO
4.4 Ar. Tushar Sogani (TS) suggested committee feel free to give their review and comments when the documents share. And TS also proposed to get Ar Qazi Arif to assist in final wordings of the Declaration 2025.	ALL
4.5 Ar. Qazi Arif (QA) suggest that ACGSA committee to set some steps to sustain the declaration 2025 once it is signed, this is to ensure members country will utilize and implement the declaration in their countries. QA also suggested to add "Carbon Trading or Carbon Off-set" to the declaration.	INFO
4.6 QA queried will this Declaration 2025 to present and endorse by Council Member. Chairman had presented the idea to have new declaration 2025 in previous OBCC meeting, without the detail of the proposed frameworks. However, chairman will present to the council meeting on 16 <sup>th</sup> January 2025, to get council members to approve the idea of Declaration 2025. Once the detail of declaration 2025 is finalize by ACGSA committee, the Chairman will conduct circular resolution to the Council Members. This Declaration 2025 is target to be official signed in coming September ACA event in Incheon, South Korea.	ALL
4.7 SS suggested after the Declaration 2025 launched and signed, it will be good that ACGSA committee will update in each meeting on what their country have done accordingly to the Declaration 2025 issued. This is to sustain the Declaration 2025 is fully utilize.	ALL
4.8 Ar. Acha (AC) in her opinion that this Declaration 2025 is a good approach and shall benefited country members of ARCASIA.	INFO
4.9 QA queried on the word "Education..." whether it encroaches into ACAE committee's scope. Perhaps the word "Awareness" is more suitable to avoid conflict with ACAE. However, if, it is, it will be good to get ACAE to involve and signed together when it is finalize. The Chairman clarified that the intention is prior to educate/create more awareness to clients / stakeholders instead of focusing to student.	INFO

Prepared by ACGSA Chairman  
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## ACGSA

ACGSA COMMITTEE MEETING  
14<sup>th</sup> January 2025

AGENDA	ACTION BY:
5.0 ACGSA Net Zero Carbon and Carbon Neutrality Guidebook	ALL
5.1 The Chairman shared the proposed draft guidebook's frameworks and presented to the committee members. This guidebook shall be very useful and benefit to ARCASIA country members. The names of participation of committee members will be mentioned in the book upon completion of book.	
5.2 QA appreciated the proposed draft framework provided by the Chairman. QA would appreciate at least 1 representative from each zone to be involved. And the meeting within the working group may conduct separate working meeting.	
5.3 The Chairman suggested the zone representatives could also be the zone rep in this working group.	
5.4 Ar. Debatosh Sahu (DS) agreed to appoint the representatives from each zone for the book to assist QA; in fact, DS would think Ar Saida Mumu (SM) is good candidate to assist as she is good in publication. SM is happy to be involved and to assist. The Chairman added Ar He Jing (HJ) from ASC is very much interested and she is good in publication. QA would be more delighted to have them in the team.	
5.5 QA also concern of the continuation of committee members who work in this guidebook group. The Chairman proposed to issue a letter of continuation and undertaking to committee member who will be participated to complete the guidebook even though in future they may no longer the official country's representative in ACGSA committee. QA agreed.	
5.6 The guidebook zone representatives shall be as follows: - i. Ar. Tushar Sogani (Zone A) ii. Ar. Amornut Det Udomsap (Pix) (Zone B) iii. Ar. Tony IP (Zone C) Proposed by Ar Qazi Arif Seconded by Ar. Debatosh Sahu	
6.0 Re-appointing Zone Representatives: - 1. Zone A – Ar Damith Premathilake(SLIA) shall replace Ar. Gaurav Agrawal (IAI) – Proposed TS, committee agreed unanimously. 2. Zone B – Ar. Amornut Det Udomsap (ASA) - remained 3. Zone C – Ar. Donna Wu (AAM) – remained Proposed by Ar Tushar Sogani Seconded by Ar. Debatosh Sahu The Zone Representatives shall play the roles to communicate with the committee members from respective zone and coordinating task assign and reporting back to the Chairman.	INFO
7.0 Task Group – Webinar / Seminar Talks • Ar. Acha will arrange a webinar focusing on green tool certification relate to carbon neutrality. • Target tentative the date shall be March 2025. • AC will propose the webinar theme • Speakers: - o Zone A – Ar. Jayantha – SLIA o Zone A - TBC o Zone B – Ar Tan Szuze Han o Zone B - PAM o Zone C – Ar. Tony IP o Zone C - TBC	AC
8.0 Task Group - Newsletters Ar. Tushar Sogani will start to work on the newsletter after this committee meetings to ensure more information to be published. The Chairman will upload all photos and information to the shares google link so all information can be obtained	TS/ALPL

Prepared by ACGSA Chairman  
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Prepared by ACGSA Chairman  
**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 8<sup>th</sup> – 12<sup>th</sup> September 2025 | Incheon, South Korea



# ACGSA 2025 ANNUAL REPORT

## ACGSA 2025 Events – RECAPS

14<sup>th</sup> January 2025 – Committee Meeting @ Colombo, Sri Lanka

## DRAFT Declaration 2025

### Proposed ACGSA Declaration 2025 for Zero Carbon Emission, Carbon Neutrality, and Carbon Capture Storage in Sustainable Architecture

We, the undersigned architects of ACGSA .... in the field of sustainable design, recognize the urgent need for action against climate change. Our profession has a significant impact on the environment, and we commit to advancing practices that lead to a sustainable future.

#### Declaration

##### **1. Commitment to Zero Carbon Emission**

We declare our commitment to designing and constructing buildings that achieve zero carbon emissions. This includes minimizing energy consumption, utilizing renewable energy sources, and embracing innovative technologies to eliminate carbon output throughout the lifecycle of our projects.

##### **2. Carbon Neutrality Goals**

We pledge to strive for carbon neutrality in all our architectural practices. This entails measuring our carbon footprint, implementing strategies for reduction, and offsetting any unavoidable emissions through verified programs, such as reforestation, renewable energy projects, and community investments.

##### **3. Implementation of Carbon Capture and Storage (CCS)**

We advocate for the integration of carbon capture and storage technologies in both new and existing buildings. We recognize the role that these technologies play in mitigating greenhouse gas emissions and are dedicated to supporting research and development efforts in this field to enhance effectiveness and accessibility.

##### **4. Education and Advocacy**

We commit to educating our clients, communities, and peers on the importance of sustainable architecture. By sharing knowledge and best practices, we aim to foster a culture of sustainability, encouraging the adoption of environmentally responsible design principles.

##### **5. Collaboration for Innovation**

We understand the importance of collaboration with scientists, policymakers, and other industries to advance the goals of zero carbon emissions and carbon neutrality. We pledge to work together to promote policies and incentives that support the transition to sustainable practices.

##### **6. Long-term Vision**

We envision a future where sustainable architecture is the norm, leading to thriving ecosystems and resilient communities. We are dedicated to creating spaces that not only meet current needs but also enhance the quality of life for future generations.

##### **Conclusion**

By signing this declaration, we affirm our dedication to combating climate change through sustainable architectural practices. Together, we can shape a built environment that honors our planet and inspires a brighter, more sustainable future.

Signatures

[ALL ACGSA Committee Members]

Date

[Today's Date: 01/13/2025]

# ACGSA 2025 ANNUAL REPORT

ACGSA 2025 Events – RECAPS

14<sup>th</sup> January 2025 – Committee Meeting @ Colombo, Sri Lanka

DRAFT ACGSA Guidebook Framework

Proposed ACGSA Guidebook Framework for Zero/Low Carbon Emission & Carbon Neutrality  
in Sustainable Architecture

## Table of Contents

### 1. Introduction

- i. Purpose of the Guidebook
- ii. Importance of Zero/Low Carbon Emission and Carbon Neutrality
- iii. Target Audience

### 2. Understanding Carbon Emissions

- a. Definition of Carbon Emission
- b. Impacts of Carbon Emissions on Climate Change
- c. Overview of Carbon Footprinting

### 3. Principles of Sustainable Architecture

- a. Sustainable Design Concepts
- b. Life Cycle Assessment (LCA)
- c. Integration of Nature and Built Environment

### 4. Zero/Low Carbon Emission Strategies

- a. Energy Efficiency
- b. Passive Design Techniques (e.g., orientation, insulation)
- c. Active Design Solutions (e.g., efficient HVAC systems)
- d. Renewable Energy Sources
- e. Solar Power
- f. Wind Energy
- g. Geothermal Systems
- h. Sustainable Materials

### 5. Achieving Carbon Neutrality

- a. Measuring Carbon Footprint
- b. Tools and Resources for Measurement
- c. Strategies for Emission Reduction
- d. Setting Reduction Targets
- e. Behavioral Changes in Building Use
- f. Offsetting Strategies
- g. Carbon Credit Programs
- h. Community and Environmental Projects

# ACGSA 2025 ANNUAL REPORT

## ACGSA 2025 Events – RECAPS

14<sup>th</sup> January 2025 – Committee Meeting @ Colombo, Sri Lanka

## DRAFT ACGSA Guidebook Frame work

### 6. Carbon Capture and Storage (CCS)

- a. Overview of CCS Technologies
- b. Implementation Practices in Architecture
- c. Case Studies of Successful CCS Integration

### 7. Regulatory and Policy Framework

- a. Overview of Relevant Legislation
- b. Incentives for Low Carbon Projects
- c. Role of Certifications (e.g., GBI, LEED, BREEAM)

### 8. Design Case Studies

- a. Examples of Zero/Low Carbon Buildings
- b. Analysis of Design Strategies and Outcomes
- c. Lessons Learned

### 9. Tools and Resources

- a. Design Software for Sustainable Architecture
- b. Resources for Research and Continuing Education
- c. Organizations and Networks for Collaboration

### 10. Conclusion

- a. Recap of Key Takeaways
- b. Call to Action for Architects and Stakeholders

### 11. Appendices

- I. Glossary of Terms
- II. Recommended Further Reading
- III. Contact Information for Support and Collaboration

# ACGSA 2025 ANNUAL REPORT

ACGSA 2025 Events – RECAPS

14<sup>th</sup> January 2025 – Committee Meeting @ Colombo, Sri Lanka

DRAFT ACGSA Guidebook Frame work

## Detailed Guidelines for Each Section

### 1. Introduction

- Explain how the guidebook aims to support architects and developers in incorporating sustainable practices into their projects.

### 2. Understanding Carbon Emissions

- Provide a background on carbon emissions, including how they are generated by buildings and infrastructure.

### 3. Principles of Sustainable Architecture

- Describe the holistic approach to design, integrating environmental, social, and economic factors.

### 4. Zero/Low Carbon Emission Strategies

- Offer actionable strategies that can be immediately applied in design processes.

### 5. Achieving Carbon Neutrality

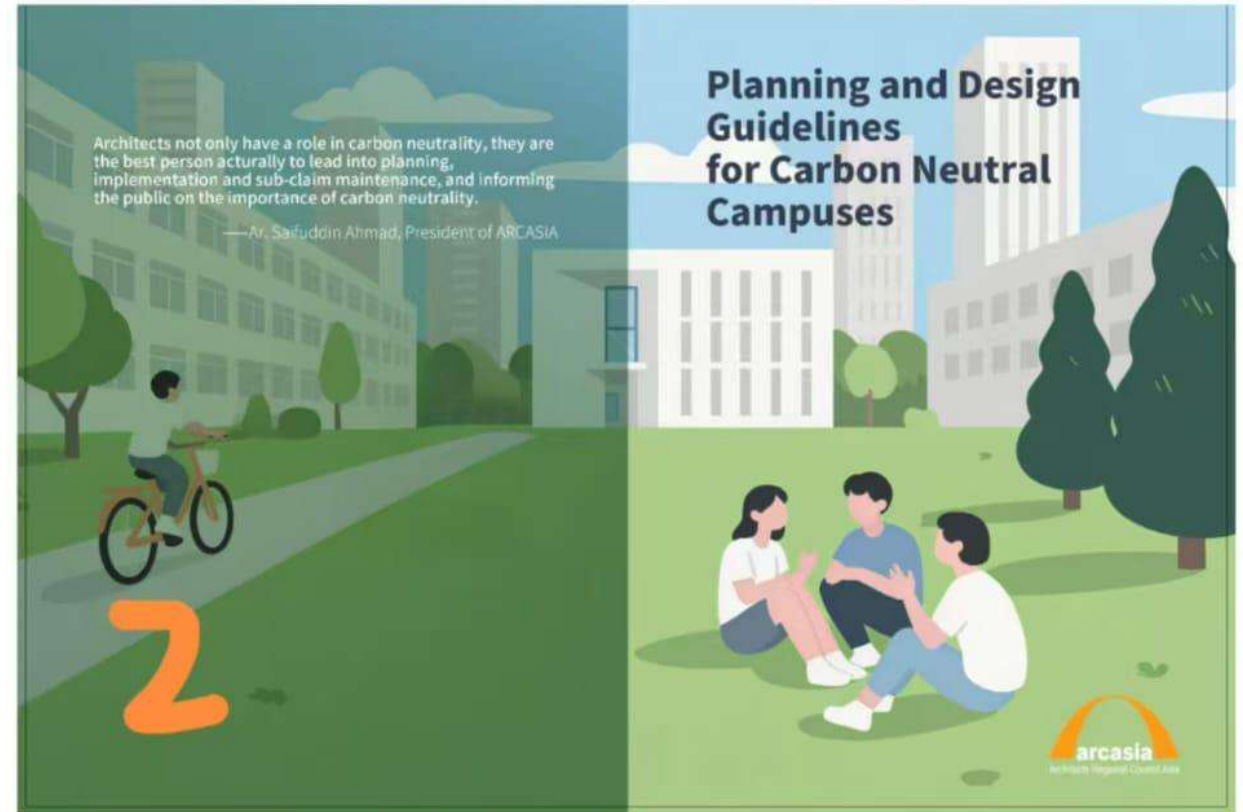
- Outline the importance of measuring and understanding emissions in order to effectively target reductions and offsets.

# ACGSA 2025 ANNUAL REPORT

ACGSA 2025 Events – RECAPS

## INTER-COMMITTEE PLAN PROGRAM 2025

1. ACGSA – ACPP Joint Guidebook on Carbon Neutrality on Campus - done
2. ACGSA & all other Committee : Inter-Committee Webinar – November 2025



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# ACGSA 2025 ANNUAL REPORT

## ACGSA 2<sup>nd</sup> half report 2025

# ACGSA 2025 ANNUAL REPORT

## 24<sup>th</sup> April 2025 – Committee's Guidebook Task group Online Meeting on Guidebook

COMMITTEE FOR ACGSA NET ZERO GUIDEBOOK

Meeting :01

Date : 24 April, 2025

Time : 5pm. (BDT), 7 pm. (MYT & HKT)

Location : Zoom platform

Attended by:

Ar. Qazi M. Arif (Convener)

Ar. Saida Akter Mumu  
(Member Secretary, Member Zone A)

Ar. Alice Leong Pek Lian  
(Member Zone B, Chair ACGSA)

Ar. Tony Ip (Member Zone C)

- Convener welcomed everyone to the meeting.
- Everyone introduced themselves.
- Floor was open for Discussion on the following AGENDA.
- -Discussion on the ACGSA Net Zero Guidebook

### SUMMARY OF DISCUSSION:

#### 1. Unified Guidelines for Net Zero Architecture:

While individual member countries may adhere to their own national regulations regarding net zero practices, ACGSA on behalf of ARCASIA will establish a common set of guidelines to serve as a unifying framework across the region

The book shall contain issues relevant to Net Zero Architecture practice to be finalized during the process of research and finally culminate into possible set of objective/guidelines as convenient tool in order to assist and vitalize professionals.

#### 2. Data/Document Collection Strategy:

To ensure the guidebook reflects accurate, authentic and region-specific practices, this committee shall reach out members of every member Institute thru ACGSA Zonal Representatives.

Zonal Reps will be requested to form sub groups with members representing respective ACGSA committee members of the zone including the member of this committee designated for that zone as the key person.

These 3 sub groups shall collect relevant data/documents relevant to net zero initiatives, policies, and architectural practices of each member institute within their coverage. It is expected that the data/document collection shall be completed in 4-6 weeks and this Committee For ACGSA Net Zero Guidebook will review all the documents collected and proceed accordingly.

### 3. Focus of the Guidebook:

The committee emphasized that the forthcoming Net Zero Guidebook shall prioritize and promote passive design strategies as a fundamental solution/tool toward achieving or accomplishing net zero built environment.

As there was no other agenda, Convener concluded the meeting upon thanking everyone for their attendance and offering effective contribution .

Prepared & Circulated by:

Ar. Saida Akter Mumu

Member Secretary

25 April, 2025.



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

26 April 2025 – 3<sup>rd</sup> Online Meeting

## ACGSA

ACGSA COMMITTEE MEETING  
26 April 2025



Meeting : ACGSA Committee Meeting  
Date : 26 April 2025, Saturday  
Time : 8.00pm-8.40pm  
Venue : Zoom Online Meeting

Next Meeting :  
Date :  
Time :  
Venue :

Notes by : ALPL

Attendee: - (✓)

Chairman, Imm Past Chair, Past Chairs & Committee Members

Chair	Ar. Alice Leong Pek Lian	(ALPL)	✓
Imm. Past Chair	Ar. Tushar Sogani	(TS)	
Past Chairman	Ar. Achacurawan Chutarat	(AC)	✓
Past Chairman	Ar. Debatosh Sahu	(DS)	
Past Chairman	Ar. Qazi Arif	(QA)	✓

Committee	Ar. Donna Wu (AAM)	(DW)	✓
	Ar. Dr. He Jing (ASC)	(HJ)	✓
	Ar. Tony IP (HKIA)	(TIP)	✓
	Ar. Terukazu Nii / Vasanti (JIA)	(TN/VA)	✓
	Ar. Do Kyu Tae (KIRA)	(DO)	✓
	Ar. Amornrut Det Udomsap (ASA)	(Pix)	✓
	Ar. Yaseri Dahlia Apritasari (IA)	(YA)	✓
	Ar. Sarly Sarkum (PAM)	(SA)	✓
	Ar. Zul Idris (PUJA)	(ZI)	✓
	Ar. Tan Szue Han (SIA)	(TSH)	✓
	Ar. Jyoti Pense (IA)	(JP)	✓
	Ar. Saida Mumu (IAB)	(SM)	✓
	Ar. Damith Premathilake (SLIA)	(DP)	✓
	Ar. Sakar Shrestha (SONA)	(SRS)	✓
	Ar. Mishaal Merchant (IAP)	(MM)	✓
Ar. Joan S.De Leon-Tabinas (UAP)	(JLT)	✓	

Observer	Ar. Gaurav Agrawal (IA)	(GA)	✓
	Ar. Mary Chan (HKIA)	(MC)	✓
	Ar. Aoxu Hui (PAM)	(AH)	✓
	Ar. Jayantha Perera (SLIA)	(JP)	✓
	Ar. Michaela Rosette M. Santos-Tayag (UAP)	(MR)	✓
	Ar. Jianyi Zheng (AAM)	(JZ)	✓
	Ar. Dr. Khurshid Zabin Hossain Taufique (IAB)	(RB)	✓

Attendee by invitation

- nil -

Attachments

1. Guidebook working Team MoM

AGENDA	ACTION BY:
1.0 Convening of ACGSA Committee Meeting – Online Zoom Meeting on 26 April 2025	
1.1 Confirmation of Previous minutes of meeting no.04 dated 23 April 2025 1. Ar. – Approved 2. Ar. – Seconded	INFO

Prepared by ACGSA Chairman  
Page 1 of 4

## ACGSA

ACGSA COMMITTEE MEETING  
26 April 2025



AGENDA	ACTION BY:
2.0 The Chairman recap the matters discussed during the last committee meeting held during ACA Forum 22 at Colombo, Sri Lanka on 14 January 2025.	INFO
3.0 Agenda for the ACGSA Committee Meeting no. 5	INFO
3.1 Update the status of Zero carbon emission & Carbon Neutrality Guidebook progress	
3.2 Upcoming webinar status	
3.3 Competitions status	
3.4 Declaration 2025.	
3.5 Other matters	
4.0 ACGSA Declaration 2025 – Zero Carbon Emission, Carbon Neutrality and Carbon Capture Storage in Sustainable Architecture	ALL
4.1 The Chairman had shared the proposed draft Declaration 2025 to the committee and the working committee. The Chairman urge all committee to give their review and comments. The Chairman will also share the google live link to working committee for easy review by all.	INFO
4.2 The Chairman has extracted the previous suggestion made by Ar. Sarly (SS) during the last committee meeting held in Colombo, Sri Lanka. This is to ease the committee members to recap. The notes are as below:-	INFO
4.3 SS proposed to change few words as follows:-	
a. change the "commitment to Zero carbon Emissions" to "Cradle of Grave"; refers to the full life cycle of products, encompassing every stage from saw material extraction to disposal or recycling	
b. change the "Carbon Neutrality Goal" to "aiming towards Carbon Neutrality"	
c. change the Implementation of Carbon Capture and Storage" to "The creation of Carbon Reduction Methodology through Technology"	
4.4 Ar. Qazi Arif (QA) suggested to add "Carbon Trading or Carbon Off-set" to the declaration.	INFO
4.6 The Chairman urge committee members to revert before the next committee meeting.	ALL
5.0 ACGSA Not Zero Carbon and Carbon Neutrality Guidebook	INFO
5.1 The Chairman requested Ar. Qazi Arif (QA) to take lead of the team and update the status.	
5.2 QA thank you the Chairman for giving the honor to report the status. QA reported the guidebook working committee meeting conducted on 24 April 2025 within small group of people which also the appointed zonal rep specially for the guidebook team. They are:-	
i. Ar. Qazi Arif (QA) – Past Chair	
ii. Ar. Alice Leong PL – Chairman	
iii. Ar. Tony IP (Zone C Rep)	
iv. Ar. Saida Mumu (Zone A) – to assist QA and the guidebook working committee in publication	
5.3 The Chairman has again shared the zonal rep for guidebook as follows to the working committee:-	INFO
i. Ar. Tushar Sogani (Zone A)	
ii. Ar. Amornrut Det Udomsap (Pix) (Zone B)	
iii. Ar. Tony IP (Zone C)	
5.4 QA shared the minutes of Meeting from the Guidebook meeting and inform the zonal rep will start liaise with the committee soon.	ALL

Prepared by ACGSA Chairman  
Page 2 of 3

## ACGSA

ACGSA COMMITTEE MEETING  
26 April 2025

AGENDA	ACTION BY:
6.0 Webinar / Seminar Talks	AC
6.1 The Chairman proposed the webinar date to be 31 May 2025. Committee has no objection.	
6.2 Ar. Acha (AC) will liaise with the webinar working committee and the topic shall focus on AI & sustainable	
6.3 AC to finalize the speakers' names and prepare the flyer and necessary -	
o Zone A – Ar. Jayantha – SLIA	
o Zone A - TBC	
o Zone B – Ar. Tan Szue Han	
o Zone B - PAM	
o Zone C – Ar. Tony IP	
o Zone C – TBC	
6.4 The Chairman proposed to conduct another webinar within the ARCASIA Committee (INTER-COMMITTEE) and tentative proposed date shall be end of June 2025 or Mid of July 2025. AC and the working committee to work on this.	
7.0 ACGSA Newsletters 2025	TS/ALPL
Ar. Tushar Sogani will start to work on the newsletter after this committee meetings to ensure more information to be published. The Chairman will upload all photos and information to the shares google link so all information can be obtained	
8.0 Competition & Awards	AC
9.1 Ar. Achacurawan Chutarat (AC) proposed to have 2 competitions:-	
i. Poster competition – awareness on Carbon Neutrality	
ii. Idea Competition	
9.2 AC will revert the schedule to the Chairman.	
9.0 Meeting adjourned at 8:40pm (MYT)	INFO

Ar. Alice Leong Pek Lian  
Chairman 2024-2025



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

9<sup>th</sup> May 2025 – Beijing, China



## ARCASIA SEMINAR ON PLANNING AND DESIGN FOR CAMPUS CARBON NEUTRALITY

Address: Architecture Design Center, Tsinghua University  
Time: May 9<sup>th</sup>, 2025

President of ARCASIA



Ar. Saifuddin Ahmad

Vice President of ASC



Ar. Zhuang Weimin

ACGSA Chair of ARCASIA



Ar. Alice Leong Pek Lian

ACPR Chair of ARCASIA



Ar. Zhang Wei



**ARCASIA COMMITTEE  
PLANNING AND DESIGN FOR  
CARBON NEUTRALITY CAMPUS**

Ar. Alice Leong Pek Lian | ACGSA Chair 2024-25  
UIA SDGs Commission 2017-2026  
国际建筑师协会(UIA)委员会 2017-2026

**ARCASIA COMMITTEE ON  
GREEN & SUSTAINABLE  
ARCHITECTURE**

**ACGSA CHAIRMAN  
AR. IDR. ALICE LEONG PEK LIAN (PAM)**

**CARBON NEUTRALITY GOALS**

100% Carbon Neutral by 2030  
60% Net-zero by 2025

SEMINAR | IDEA SHARING CAMPUS CARBON NEUTRALITY | 9<sup>th</sup> May 2025 | Beijing, CHINA



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

9th May 2025 – Beijing, China



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ACGSA REPORT for |

45th COUNCIL MEETING | 9th – 10th September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

1<sup>st</sup> June 2025 – 4<sup>th</sup> Online Meeting

## ACGSA

### ACGSA COMMITTEE MEETING 1 June 2025



Meeting : ACGSA Committee Meeting  
Date : 1 June 2025, Sunday  
Time : 7:15pm – 8:00pm  
Venue : Zoom Online Meeting

Next Meeting  
Date  
Time  
Venue

Notes by : ALPL

Attendee: - (V)

#### Chairman, Imm Past Chair, Past Chairs & Committee Members

Chairman	Ar. Alice Leong Pek Lian	(ALPL)	✓
Imm. Past Chair	Ar. Tushar Sogani	(TS)	
Past Chairman	Ar. Achacurawan Chutarat	(AC)	✓
Past Chairman	Ar. Debatosh Sahu	(DS)	
Past Chairman	Ar. Qazi Arif	(QA)	
Past Chairman	Ar. Donna Wu (AAM)	(DW)	

Committee	Ar. Dr. He Jing (ASC)	(HJ)	
	Ar. Tony IP (HKIA)	(TI)	
	Ar. Terukazu Hirai / Vasanti (JIA)	(TNVA)	✓
	Ar. Do Kyu Tae (KRA)	(DK)	
	Ar. Amornrut Det Udomsap (ASA)	(AD)	✓
	Ar. Yaseri Dahlia Apritasari (IA)	(YA)	✓
	Ar. Sarly Sarkum (PAM)	(SA)	
	Ar. Zul Idna (FUJA)	(ZI)	✓
	Ar. Tan Sze Hann (SIA)	(TS)	
	Ar. Jyoti Panse (IA)	(JP)	✓
	Ar. Saïda Mumu (IAB)	(SM)	
	Ar. Damith Premathilake (SLIA)	(DP)	
	Ar. Sakar Shrestha (SONA)	(SR)	
	Ar. Mishaël Merchant (IAP)	(MM)	
	Ar. Joan S.De Leon-Tabinas (UAP)	(JLT)	

Observer	Ar. Gaurav Agrawal (IA)	(GA)	
	Ar. Mary Chan (HKIA)	(MC)	✓
	Ar. Axxu Hui (PAM)	(AH)	
	Ar. Jayantha Pereira (SLIA)	(JP)	
	Ar. Michaela Rosette M. Santos-Tayag (UAP)	(MR)	✓
	Ar. Jianyi Zheng (AAM)	(JZ)	
	Ar. Dr. Khurshid Zabin Hossain Taufique (IAB)	(RE)	

Attendee by invitation

- nil -

#### Attachments

1. Guidebook working Team MoM

AGENDA	ACTION BY:
1.0 Convening of ACGSA Committee Meeting – Online Zoom Meeting on 1 June 2025	
1.1 Confirmation of Previous minutes of meeting no.94 dated 23 April 2025	INFO
1. Ar. Ar. Acha – Approved	
2. Ar. Jyoti - Seconded	

Prepared by ACGSA Chairman  
Page 1 of 4

## ACGSA

### ACGSA COMMITTEE MEETING 1 June 2025



AGENDA	ACTION BY:
2.0 The Chairman recap the matters discussed during the last committee meeting held during ACA Forum 22 at Colombo, Sri Lanka on 14 January 2025.	INFO
3.0 Agenda for the ACGSA Committee Meeting no. 5	INFO
3.1 Update the status of Zero carbon emission & Carbon Neutrality Guidebook progress	
3.2 Upcoming webinar status	
3.3 Competitions status	
3.4 Declaration 2025	
3.5 Other matters	
4.0 ACGSA Declaration 2025 – Zero Carbon Emission, Carbon Neutrality and Carbon Capture Storage in Sustainable Architecture	
4.1 The Chairman had shared the proposed draft Declaration 2025 to the committee and the working committee. The Chairman urge all committee to give their review and comments. The Chairman will also share the google live link to working committee for easy review by all.	ALL
4.2 The Chairman has extracted the previous suggestion made by Ar. Sarly (SS) during the last committee meeting held in Colombo, Sri Lanka. This is to ease the committee members to recap. The notes are as below: -	INFO
4.3 SS proposed to change few words as follows: -	INFO
a. change the "commitment to Zero carbon Emissions" to "Cradle of Grave"; refers to the full life cycle of products, encompassing every stage from saw material extraction to disposal or recycling	
b. change the "Carbon Neutrality Goal" to "aiming towards Carbon Neutrality"	
c. change the Implementation of Carbon Capture and Storage" to "The creation of Carbon Reduction Methodology through Technology"	
4.4 Ar. Qazi Arif (QA) suggested to add "Carbon Trading or Carbon Off-set" to the declaration.	INFO
4.6 The Chairman urge committee members to revert before the next committee meeting.	ALL
5.0 ACGSA Net Zero Carbon and Carbon Neutrality Guidebook	
5.1 The Chairman requested Ar. Qazi Arif (QA) to take lead of the team and update the status.	INFO
5.2 QA thank you the Chairman for giving the honor to report the status. QA reported the guidebook working committee meeting conducted on 24 April 2025 within small group of people which also the appointed zonal rep specially for the guidebook team. They are: -	
i. Ar. Qazi Arif (QA) – Past Chair	
ii. Ar. Alice Leong PL – Chairman	
iii. Ar. Tony IP (Zone C Rep)	
iv. Ar. Saïda Mumu (Zone A) – to assist QA and the guidebook working committee in publication	
5.3 The Chairman has again shared the zonal rep for guidebook as follows to the working committee: -	INFO
i. Ar. Tushar Sogani (Zone A)	
ii. Ar. Amornrut Det Udomsap (Fix) (Zone B)	
iii. Ar. Tony IP (Zone C)	
5.4 Chairman reported the joint inter-committee event – Carbon Neutrality on Camous between ACGSA & ACPP has been drafted out and presented in Beijing OBCC Meeting held on May 2025. The copy is shared to all ACGSA committee to review and revert the feedback if any.	ALL
5.5 Ar. Acha is in the opinion this is a very good initiative	INFO

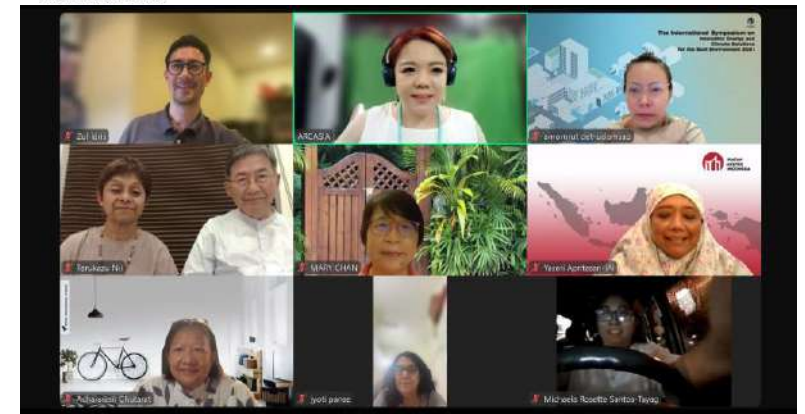
Prepared by ACGSA Chairman  
Page 2 of 3

## ACGSA

### ACGSA COMMITTEE MEETING 1 June 2025

AGENDA	ACTION BY:
6.0 Webinar / Seminar Talks	AC
6.1 Ar. Acha (AC) reported the date of Webinar will change date from 1 June 2025 to 14 June 2025 at 2.30pm-4.30pm, due to original date clashed with some holiday.	
6.2 Flyer will be revised and send to all Country members.	
6.3 The Chairman proposed to conduct another webinar within the ARCASIA Committee (INTER-COMMITTEE) and tentative proposed date shall be end of June 2025 or Mid of July 2025. AC and the working committee to work on this.	
7.0 ACGSA Newsletters 2025	TS/ALPL
Ar. Tushar Sogani will start to work on the newsletter after this committee meetings to ensure more information to be published. The Chairman will upload all photos and information to the shares google link so all information can be obtained	
8.0 Competition & Awards	AC
9.1 Ar. Achacurawan Chutarat (AC) proposed to have 2 competitions: -	
I. Poster competition – awareness on Carbon Neutrality	
II. Idea Competition	
9.2 Chairman reported there is a potential sponsor – Daikin is keen to sponsor one of ACGSA's competition.	
9.3 The proposed sponsorship is USD50,000.00.	
9.4 Ar. Mary Chan and Ar. Amornrut are in the opinion that the theme of competition should not just constraint or too relate to Sponsor's proposed theme – ACMV ventilation.	
9.5 Ar. Terukazu / Vasanti proposed the theme could be relate to: "heating & Cooling". Ar. Jyoti agreed.	
9.0 Meeting adjourned at 8:00pm (MYT)	INFO

Ar. Alice Leong Pek Lian  
Chairman 2024-2025



**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON  
GREEN & SUSTAINABLE  
ARCHITECTURE**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

14 June 2025 – Webinar



WEBINAR Organized by ACGSA (ARCASIA Committee on Green and Sustainable Architecture)

## DIGITAL TECHNOLOGY IN ARCHITECTURE TOWARDS NET ZERO

Discover how Digital Twin and AI are revolutionizing built and environment businesses in the digital age towards carbon neutrality, embracing digitalization in green architectural design, construction and operation. Learn about Digital Twin and AI potential, future business transformation, and gain insights for a competitive edge.

**Saturday, 14th June, 2025**  
**2.30-4.30pm MYT (GMT+8)**

**SPEAKER**

- Ar. Dr. Tony Ip (HKIA)** A  
Director of Hong Kong Green Building Council, Director of CIC Zero Carbon Building
- Ar. Sarly Adre Sarkum (PAM)** B  
Past President of PAM and Malaysia Green Building Council and CEO of the Green Building Index (GBI)
- Dr. Ponn Virurak (ASA)** C  
Chairman of the Board of Directors Light Up Total Solution Public Company Limited
- Eng. Nihal Premachandra** D  
Project Management Consultant Astrateq PVT, Ltd

Ar. Joan De Leon Tabinas (UAP)  
Moderator

SCAN HERE

FREE TO ATTEND, CLICK THIS LINK TO JOIN

Supported by SoA+D, KMUTT, SoA+D



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

30<sup>th</sup> August 2025 – 5<sup>th</sup> Online Meeting

## ACGSA

### ACGSA COMMITTEE MEETING 30 August 2025



Meeting : ACGSA Committee Meeting  
Date : 30<sup>th</sup> August 2025, Saturday  
Time : 12:00pm-12:30pm  
Venue : Zoom Online Meeting

Next Meeting  
Date  
Time  
Venue

Notes by : ALPL

Attendee: - (✓)

#### Chairman, Imm Past Chair, Past Chairs & Committee Members

Chairman	Ar. Alice Leong Pek Lian	(ALPL)	✓
Imm. Past Chair	Ar. Tushar Sogani	(TS)	✓
Past Chairman	Ar. Achacurawan Chutarat	(AC)	✓
Past Chairman	Ar. Debatosh Sahu	(DS)	✓
Past Chairman	Ar. Qazi Arif	(QA)	✓

Committee	Ar. Donna Wu (AAM)	(DW)	✓
	Ar. Dr. He Jing (ASC)	(HJ)	✓
	Ar. Tony IP (HKIA)	(TIP)	✓
	Ar. Terukazu Ni / Vasant (JIA)	(TN/VA)	✓
	Ar. Do Kyu Tae (KIRA)	(DK)	✓
	Ar. Amornrat Det Udomsop (ASA)	(FX)	✓
	Ar. Yaseri Dahlia Apritasari (IA)	(YA)	✓
	Ar. Sarly Sariyani (PAM)	(SA)	✓
	Ar. Zul Idris (PUJA)	(ZI)	✓
	Ar. Tan Szeu Ham (SIA)	(TSH)	✓
	Ar. Gaurav Agrawal (IA)	(GA)	✓
	Ar. Saidi Mumu (IAB)	(SM)	✓
	Ar. Damith Premathilake (SLIA)	(DP)	✓
	Ar. Sakar Sheetha (SONA)	(SRS)	✓
	Ar. Mishaal Merchant (IAP)	(MM)	✓
Ar. Alvin Tejada (UAP)	(AT)	✓	

Observer	Ar. Jyoti Panse (IA)	(JP)	✓
	Ar. Mary Chan (HKIA)	(MC)	✓
	Ar. Aoxu Hui (PAM)	(AH)	✓
	Ar. Jayantha Perera (SLIA)	(JP)	✓
	Ar. Michaela Rosette M. Santos-Tayag (UAP)	(NIR)	✓
	Ar. Jianyi Zheng (AAM)	(JZ)	✓
	Ar. Dr. Khurshid Zabin Hossain Taufiqo (IAB)	(RB)	✓
Ar. Joan S. De Leon-Tabinas (UAP)	(JLT)	✓	

Attendee by invitation

- nil -

Attachments

1. Guidetook working Team MoM

AGENDA		ACTION BY:
1.0	Convening of ACGSA Committee Meeting – Online Zoom Meeting on 30 August 2025	
1.1	Confirmation of Previous minutes of meeting no.05 dated 1 June 2025 1. Ar. – Approved 2. Ar. – Seconded	INFO

Prepared by ACGSA Chairman  
Page 1 of 4

## ACGSA

### ACGSA COMMITTEE MEETING 30 August 2025



AGENDA		ACTION BY:
2.0	The Chairman called this meeting after the 3 <sup>rd</sup> CC meeting held on 28 August 2025 for better coordination for up-coming ACGSA Committee Meeting which will be held on 8 <sup>th</sup> September 2025 @ Incheon, Korea.	INFO
3.0	<b>Agenda for the ACGSA Committee Meeting on 8<sup>th</sup> September</b> 3.1 The agenda of meeting was shared. The Chairman will share the revise version, if required. 3.2 The meeting theme has given to all committee members " Building Tomorrow: Architecture at the Crossroads of Climate, Community & Technology"	INFO
4.0	<b>ACGSA Declaration 2025 – Zero Carbon Emission, Carbon Neutrality and Carbon Capture Storage in Sustainable Architecture</b> 4.1 The Final draft of the Declaration 2025 : Carbon Zero : Architecture Next is done and Chairman will share to all committee members. Members are welcome to give their final review, if any, as this Declaration 2025 will be sign by all committee members who attending the Committee meeting which will be held on 9 <sup>th</sup> September 2025. Post Meeting Note: 4.2 DW raised AAM concern that some of the declaration matter that AAM may not be able to commit. The Chairman clarified that this declaration will act as a guidelines for all committee members for now and future. And there won't be penalty impose as each country has its own pace when approaching Green matters, but with the declaration is guides members to act in correct path. The Chairman will write a letter to support the Declarator and will distribute to all committee. 5.0 <b>ACGSA Net Zero Carbon and Carbon Neutrality Guidebook</b> 5.1 The Chairman informed the draft guidebook format for Zero C has done which led by Ar TonyIP. The draft will be review by both Past Chair Ar. Qazi Arif (lead of the task group) and by the Chairman. The draft will be shared later to all committee is working group later. 5.2 The Chairman has shared the FINAL draft of the inter-committee guidebook (ACGSA & ACPFP) on Designing and Planning in Carbon Neutrality on Campus with committee. Committee members are welcome to give their feedback before it is printed and distributed in ACA 21 in Incheon Korea later on 9 <sup>th</sup> September 2025. This had been presented in Beijing during the OBCC meeting held in May 2025.5.4 QA shared the minutes of Meeting from the	ALPL  ALPL  INFO INFO

Prepared by ACGSA Chairman  
Page 2 of 3

## ACGSA

### ACGSA COMMITTEE MEETING 30 August 2025

AGENDA		ACTION BY:
6.0	<b>Webinar / Seminar Talks</b> 6.1 The webinar held on 14 June 2025 was another successful talk. Thank you to Ar. Acha for leading this. 6.2 The Chairman proposed to conduct another webinar within the ARCASIA Committee (INTER-COMMITTEE) and tentative proposed date shall be end of June 2025 or Mid of July 2025. AC and the working committee to work on this.	INFO AC/ALPL
7.0	<b>Meeting adjourned at 12:30pm (MYT)</b>	INFO

Ar. Alice Leong Pek Lian  
Chairman 2024-2025

Prepared by ACGSA Chairman  
Page 3 of 3



**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON  
GREEN & SUSTAINABLE  
ARCHITECTURE**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 –  
ACGSA COMMITTEE  
MEETING



**ARCASIA Committee on Green & Sustainable Architecture**

**ACGSA COMMITTEE MEETING @ INCHEON, SOUTH KOREA**

**8<sup>TH</sup> SEPTEMBER 2025,**

**09:00am – 17:00 pm (GMT+8:00)**

**VENUE: SONGDO CONVENIA MEETING ROOM (1F)**

**Theme:**

**BUILDING TOMORROW: ARCHITECTURE AT THE  
CROSSROAD OF CLIMATE, COMMUNITY & TECHNOLOGY**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 –  
ACGSA COMMITTEE  
MEETING AGENDA

		<b>ARCASIA Committee on Green &amp; Sustainable Architecture, ACGSA COMMITTEE MEETING, at Incheon, South Korea.</b> <b>Date: 8th September 2025, 9:00am (GMT+8:00)</b> <b>Venue: Songdo Convensia Meeting Room (1F)</b>			
<b>Mission: Innovative, sustainable, and technologically advanced approaches to designing and constructing buildings that address future environmental, social, and technological challenges</b>					
<b>Theme:</b> <b>Building Tomorrow: Architecture at the crossroads of Climate, Community &amp; Technology</b> <b>"Building Tomorrow explores how architecture intersects with climate resilience, community needs, and technological innovation. It emphasizes sustainable design, social inclusion, and smart solutions to create adaptable, eco-friendly spaces that foster stronger communities and address global environmental challenges for a better, more resilient future."</b>					
NO.	PROGRAM	REPRESENTATIVE	TIME	DURATION	
	Arrival of ACGSA Delegates	All ACGSA Delegates ARRIVE BEFORE 09:00	08:45-09:00	15 mins	
1	Welcome Address - Opening Remarks	AR ALICE LEONG PEK LIAN, CHAIRMAN, Arcasia Committee on Green & Sustainable Architecture (ACGSA)	09:00-09:10	10 mins	
2	Special Address	AR. TUSHAR SOGANI, Immediate Past Chair, ACGSA	09:10-09:15	5 mins	
3	-	AR. DEBATOSH SAHU, Past Chair ACGSA	-	-	
4	Special Address	AR. ACHARAWAN CHUTARAT, Past Chair, ACGSA - <a href="#">ONLINE</a>	09:15-09:20	5 mins	
5	-	AR. QAZI ARIF, Past Chair ACGSA - <a href="#">ONLINE</a>	-	-	
6	Introduction of Delegates	All the members	09:20-09:40	20 mins	
7	Minutes of Last meeting Held at online dated 1 June 2025 & 30 August 2025	To be Approved by All members	09:40-09:50	10 mins	
8	Chairman Presenting The Meeting Theme	AR. ALICE LEONG PEK LIAN, Chairman ACGSA	09:50-10:00	10 mins	
<b>Presentation on the Theme "Building Tomorrow: Architecture at Crossroads of Climate, Community &amp; Technology" (6 minutes) &amp; Country Report (4 minutes) by Member Institutes</b>					
9	IAB - Institute of Architects Bangladesh	AR. SAIDA AKTER MUMU	10:00-10:10	10 mins 6 mins + 4 mins per Member Institute	
10	ASA - The Association of Siamese Architects under Royal Patronage	AR. AMORNUT DET-UDOMSAP	10:10-10:20	10 mins 6 mins + 4 mins per Member Institute	
11	AAM - Architects Association of Macau	AR. DONNA WU - <a href="#">ONLINE</a>	10:20-10:30	10 mins 6 mins + 4 mins per Member Institute	
<b>Visit of ARCASIA OFFICE BEARERS (OBS) and KIRA President, 10:30AM - 11:00AM (Subject to ARCASIA Obs further notice)</b>					
12	Welcome Speech by KIRA President	AR. JAEROK KIM, KIRA President	10:30 - 10:40	10 mins	
13	Special Address by President- ARCASIA	AR. SAIFUDDIN AHMAD, President ARCASIA	10:40-10:50	10 mins	
14	Photo session	All the members	10:50-11:00	10 mins	
<b>Presentation on the Theme "Building Tomorrow: Architecture at Crossroads of Climate, Community &amp; Technology" (6 minutes) &amp; Country Report (4 minutes) by Member Institutes</b>					
15	IIA - The Indian Institute of Architects	AR. GAURAV AGRAWAL	11:10-11:20	10 mins 6 mins + 4 mins per Member Institute	
16	IAI - Ikatan Arsitek Indonesia	AR. YASERI DAHLIA APRITASARI	11:20-11:30	10 mins 6 mins + 4 mins per Member Institute	

17	ASC - ARCHITECTURAL SOCIETY OF CHINA	AR. HE JING - <a href="#">ONLINE</a>	11:30-11:40	10 mins 6 mins + 4 mins per Member Institute	
18	SLIA - Sri Lanka Institute of Architects	AR. DAMITH PREMATHILAKE - <a href="#">ONLINE</a>	11:40-11:50	10 mins 6 mins + 4 mins per Member Institute	
19	PAM - Pertubuhan Akitek Malaysia	AR. SARLY ADRE SARKUM	11:50-12:00	10 mins 6 mins + 4 mins per Member Institute	
20	HKIA - The Hong Kong Institute of Architects	AR. TONY IP - <a href="#">ONLINE</a>	12:00-12:10	10 mins 6 mins + 4 mins per Member Institute	
<b>PROCEED TO OPENING OF ARCASIA EXHIBITION (12:20PM) &amp; LUNCH BREAK - 13:00PM - 14:00PM (1:00PM - 2:00PM)</b>					
21	SONA - Society of Nepalese Architects	AR. RUCHI BAJRACHARYA - <a href="#">ONLINE</a>	14:00-14:10	10 mins 6 mins + 4 mins per Member Institute	
22	PUJA - Pertubuhan Ukur, Jurutera & Arkitek Brunei	AR. ZUL' AMALI IDRIS - <a href="#">ONLINE</a>	14:10-14:20	10 mins 6 mins + 4 mins per Member Institute	
23	IJA - The Japan Institute of Architects	AR. TERUKAZU NII + VASANTI (OBSERVER)	14:20-14:30	10 mins 6 mins + 4 mins per Member Institute	
24	SIA - Singapore Institute of Architects	AR. TAN SZUE HANN	14:30-14:40	10 mins 6 mins + 4 mins per Member Institute	
25	UAP - United Architects of the Philippines	AR. ALVIN TEJADA	14:40-14:50	10 mins 6 mins + 4 mins per Member Institute	
	IAP - Institute of Architects Pakistan	AR. MUMTAZ JILANI	14:50 - 15:00	10 mins 6 mins + 4 mins per Member Institute	
27	Discussion on Zero / Low Carbon Emissions: Carbon Neutrality DRAFT Guidebook	All the members	15:00-16:20	1 Hour 20mins	
28	ACGSA DECLARATION SIGNING	All the members	16:20-16:30	10 mins	
29	Any other matter for Discussions	All the members	16:30-16:40	10 mins	
30	CERTIFICATIONS	Chairman presenting certifications	16:40-16:55	15 mins	
31	Conclude & Closing Remarks	AR. ALICE LEONG PEK LIAN- CHAIR ACGSA	16:55-17:00	5 mins	
<b>END MEETING &amp; PROCEED TO NETWORKING EVENT</b>					

- |    |            |   |        |
|----|------------|---|--------|
| 1  | OBSERVER : | AR. MARY CHAN (OBSERVER) - <a href="#">ONLINE</a>                       | (HKIA) |
| 2  | OBSERVER : | AR. STEPHEN HO KIN WAI (OBSERVER) - <a href="#">Online</a>              | (HKIA) |
| 3  | OBSERVER : | AR. ANTHONY CHEUNG - <a href="#">PHYSICAL</a>                           | (HKIA) |
| 4  | OBSERVER : | AR. NILESH DE SILVA (OBSERVER) - <a href="#">PHYSICAL</a>               | (SLIA) |
| 5  | OBSERVER : | AR. JAYANTHA PERERA (OBSERVER) - <a href="#">Online</a>                 | (SLIA) |
| 6  | OBSERVER : | AR. AXIU HUI (OBSERVER) - <a href="#">Online</a>                        | (PAM)  |
| 7  | COMMITTEE  | AR. PRAGYA PRADHAN - <a href="#">ONLINE</a>                             | (SONA) |
| 8  | OBSERVER : | AR. ZHENGJUANYI (DEPUTY DELEGATED - <a href="#">PHYSICAL</a> )          | (AAM)  |
| 9  | OBSERVER : | AR. GORSI (OBSERVER) - <a href="#">ONLINE</a>                           | (AAM)  |
| 10 | OBSERVER : | AR. JOAN TABINAS (OBSERVER) - <a href="#">ONLINE</a>                    | (UAP)  |
| 11 | OBSERVER : | AR. FARIAH SHAERMEEN AKBAR - <a href="#">PHYSICAL</a>                   | (IAB)  |
| 12 | OBSERVER : | AR. JYOTI PANSE (OBSERVER) - <a href="#">PHYSICAL</a>                   | (IIA)  |
| 13 | OBSERVER : | AR. DORY HERLAMBANG (OBSERVER) - <a href="#">PHYSICAL</a>               | (IAI)  |
| 14 | OBSERVER : | AR. FAISAL SAMI (OBSERVER) - <a href="#">PHYSICAL</a>                   | (IAP)  |
| 15 | OBSERVER : | AR. SARDAR MOHAMMAD JAHANGIR KHAN (OBSERVER) - <a href="#">PHYSICAL</a> | (IAP)  |



**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture  
**ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE**



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 – ACGSA COMMITTEE MEETING : The Chairman's report

**ACGSA Committee Meeting**  
Theme:  
**Building Tomorrow - Architecture at the Crossroad of Climate, Community & Technology**

1 ★

**Building Tomorrow - Architecture at the Crossroad of Climate, Community & Technology**  
Innovative, sustainable, and technologically advanced approaches to designing and constructing buildings that address future environmental, social, and technological challenges.

**Key:**

- green technologies,
- smart building systems,
- modular construction,
- 3D printing, and
- community-focused.

resilient design, all aimed at creating ecologically responsible, efficient, and scalable built environment.

2 ★

**A. Sustainability & Resilience:**  
**Green Design:**  
Focuses on energy efficiency, water conservation, and the use of eco-friendly materials.

3 ★

**Climate Resilience:**  
Incorporates design strategies like natural ventilation and optimized daylighting to reduce energy needs and enhance occupant comfort, especially in response to climate events.

4 ★

**Circular Economy:**  
Utilizes innovative approaches like using linker waste as a construction material.

5 ★

**B. Technological Integration:**  
**Smart building systems:**  
Employs sensor-driven management systems for dynamic, responsive heating, cooling, and power distribution.

6 ★

**Digital Twins:**  
Utilizes digital modeling to simulate and forecast changes in infrastructure and buildings.

7 ★

**Advanced Manufacturing:**  
Explores technologies such as 4D printing and drone integration for more efficient and flexible construction processes.

8 ★

**C. Human-Centric & Community-Driven Design:**  
**Connected Lifestyles:**  
Addresses the evolving needs of urban populations, blending digital and physical edge-cities.

9 ★

**Community Engagement:**  
Emphasizes the importance of local resident involvement in designing, culturally appropriate and environmentally responsive housing.

10 ★

**Resilient Urbanism:**  
Focuses on creating urban spaces that can adapt to climate change and changing societal needs.

11 ★

**D. Material Innovation:**  
**New Materials:**  
Explores advanced materials like aerogels for their insulating properties.

12 ★

**Modular Systems:**  
Leverages the versatility and efficiency of modular building systems.

13 ★

**THANK YOU**

**BUILDING TOMORROW**

**arcasia**  
Architects Regional Council Asia

**ACGSA**  
ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE

14 ★

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 –  
ACGSA COMMITTEE

**18 COUNTRIES ATTENDED.**

**Zone A –**

1. IAB
2. IAP
3. IIA
4. SLIA
5. SONA

**Zone B –**

6. AAK
7. ASA
8. IAPB (PUJA)
9. IAI
10. PAM
11. SIA
12. UAP

**Zone C –**

13. AAM
14. ASC
15. HKIA
16. JIA
17. KIRA
18. UMA



**5 COUNTRIES  
ABSENT**

**Zone A –**

1. BIA
2. AAM( mv)

**Zone B -**

3. ALACE
4. VAA

**Zone C –**

5. KAU



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 – ACGSA COMMITTEE MEETING



ACGSA REPORT for |  
45<sup>TH</sup> COUNCIL MEETING | 9<sup>TH</sup> – 10<sup>TH</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 – ACGSA COMMITTEE MEETING



IAB – ZONE A



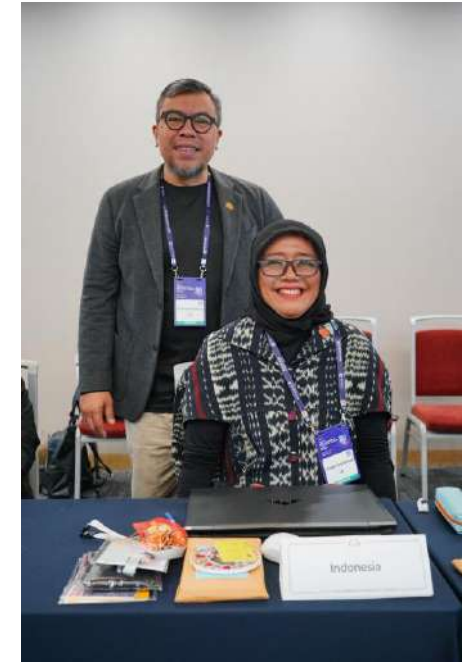
AKK – ZONE B



JIA – ZONE C



IAP – ZONE A



IAI – ZONE B



# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 – ACGSA COMMITTEE MEETING



**IIA – ZONE A**



**UMA – ZONE A**



**UAP – ZONE B**



**ASA – ZONE B**



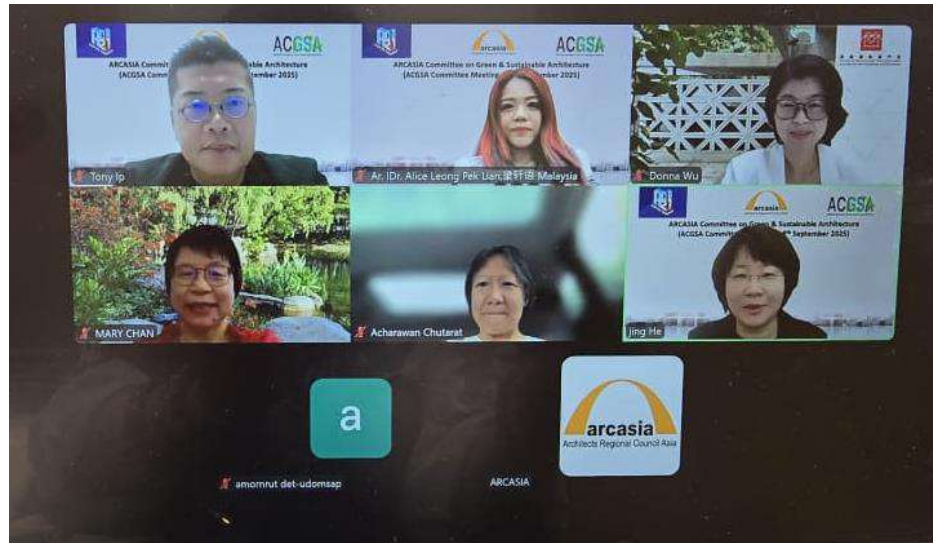
**PAM – ZONE B**



ACGSA REPORT for |  
45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 – ACGSA COMMITTEE MEETING

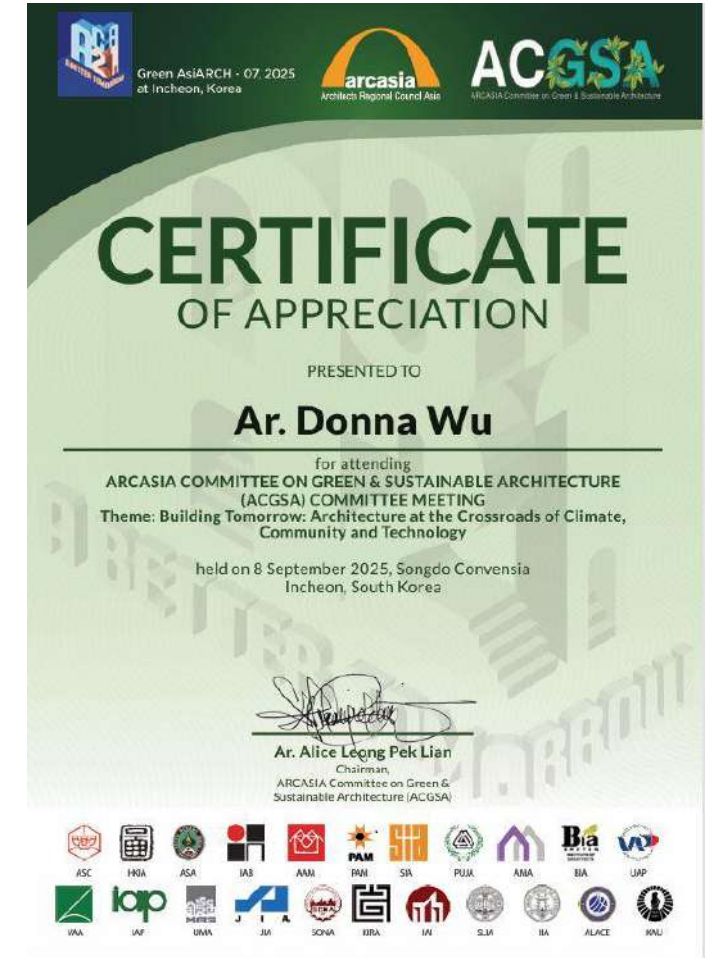


Online: HKIA,  
PAM, AAM, ASA,  
ASC, SONA, SLIA



# ACGSA 2025 ANNUAL REPORT

8<sup>TH</sup> SEPTEMBER 2025 – ACGSA COMMITTEE MEETING



ACGSA REPORT for |

45<sup>TH</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

Green AsiARCH 2025 – 8<sup>th</sup> – 12<sup>th</sup> September 2025

## 12 Countries submitted:

1. JIA (Zone C)
2. VAA (Zone B)
3. PAM (Zone B)
4. UAP (Zone B)
5. ASA (Zone B)
6. HKIA (Zone C)
7. IIA (Zone A)
8. ASC (Zone C)
9. IAI (Zone B)
10. IAP (Zone A)
11. KIRA (Zone C)
12. IAB (Zone B)

Total 23 Projects  
Total 90 Boards (A1)



### List of Projects Submission for ACGSA Green AsiARCH 2025, ACA 21 (8<sup>th</sup> - 12<sup>th</sup> September 2025) Incheon, Korea

#### 01 Japan (JIA) – (4 nos. boards)

1. H + BASE : Ar. Ito Mizuki ; Company: h+architects; Location: Fukul, Japan

#### 02 Vietnam (VAA) (8 nos. Boards)

1. CP Vietnam Office : Company : mh architects ; Location : Bien Hoa, Donmg Nai, Vietnam
2. Grand Terra Building : Ar. Le Truong ; Company : TT-Associates TTA- PARTNERS ; Location : Hanoi, Vietnam

#### 03 Malaysia (PAM) – (8 nos boards)

1. Petronas Leadership Centre : Ar. Azril Amir Jaafar & Ar Syah Kamaruddin; Company: VERITAS Architects Sdn Bhd ; Location : Selangor, Malaysia
2. Sarawak Muzeum Campus and Heritage Trail : Dato' Sri Ar. John Lau Kah Seng, Ar. Voon Choon Hin & Ar. Florence Yap; Company : Arkitek KDI Sdn Bhd; Location : Kuching, Sarawak Malaysia.

#### 04 Philippines (UAP) – (8 nos. boards)

1. ARTHALAND Century Pacific Tower : Company : GFP Architects; Collab Design company: Skidmoire, Owings & Merrill LLP; Location : Taguig, Metro Manila, Philippines.
2. ONE AYALA : Company: VISIONARCH Architect ; Location : Makati, Metro Manila, Philippines

#### 05 THAILAND, (ASA) – (8 nos boards)

1. PARK SILOM : Company: HB Design ; Location : Bangkok, Thailand
2. SISB THONBURI : Company : Plan Architect ; Location : Bangkok Thailand

#### 06 Hong Kong (HKIA) – (8 nos. boards)

1. TWGHs E-Co Village : Company: SPENCE ROBINSON LIMITED in COLLABORATION WITH AOS. ARCHITECTURE LIMITED ; Location : Tseung Kwan O, Hong Kong, China.
2. THE HENDERSON : Company: Ronald Lu & Partners in collaboration with Zaha Hadid Architects ; Location: Central, Hong Kong, China.

#### 07 INDIA (IIA) – (8 nos. boards)

1. HumanScapes Habitat Auroville India : Ar. Suhasini Iyer ; Location : Auroville, India
2. A Lods Community Project for Forest Essentials. : Ar. Sonali Rastogi ; Location : Rishikesh, India

#### 08 CHINA (ASC) – (8 nos. boards)

1. Zero Carbon Origami Airplane – Shanghai Lin'gang Starry sky Theme Patrk Visitor Service center : Ar. Liu Heng ; Company: 1. China Architecture Design & Research Group, 2. China Urban Development Planning & Design Consulting Co. Ltd. ; Location : Shanghai, China
2. Children Friendly Center of Xuzhou : Ar. Kai Cui, fei Guan & Yuanzheng Dong, Maoyang Bi, Jiayin Wei, Tong Zhuang, Yanhong Gong, Fenfen Xiao, Kesu Li, & Chao Xu; Location : Xuzhou, Jiagsu, China.

#### 09 Indonesia (IAI) – (8 nos. boards)

1. United Tractor : Ar. M Ridwan Kamil, Ar Reza A. Nurtjahja, Ar. Angga Latif, Ar. Arief Ketaren, Ar. Anton Y.S, Ar. Alit Adiowo; Company: PT Urbane Indonesia; Location : Jakarta, Indonesia.
2. Tampelas : Ar. Ahmad Zakaria; Company : PDW (PT Pandega Desain Weharima) ; Location : Central Kalimantan, Indonesia.

#### 10 Pakistan (IAP) – (8 nos. boards)

1. Tranquil Abode : Wajiha Siddiqui Mehdi, Muhammad Mehdi, Muhammad Nefeel Qureshi, Abbas Reza Jaffery & Saida Siddiqui ; Company: WM Creative Studio Re-Lab ; Location: Jacobabad, Sindh, and D G Khan, Punjab, Pakistan
2. OEC-HIVE Tower : Ar. Shazia Qureshi, Company Sohail A. Khan Associates; Location : Islamabad, Pakistan

#### 11 South Korea (KIRA) – (2 no. boards)

1. National Children's Museum and Integrated Operations Headquarters : Architects: Ar. Jung Yongkyo & Ar. Lee Myungjin ; Company: Junglim Architecture; Location: Sejong, Republic of KOREA ; Incollaboration: office OU
2. Data Center Gak Sejong : Ar. Jung Yongkyo & Ar. Lee Myungjin; Company : Junglim Architecture; Location: Sejong, Republic of KOREA ; In collaboration with : One O One Architects, HDR, Mass Studies

#### 12 Bangladesh (IAB) – (8 nos. boards)

1. Green field Factory of Karupanna Rangpur Limited : Ar Bayejid Mahbub Khondker, Company : Nakshabid Architects; Location : Alamk Nagar, Rangpur, Bangladesh
2. Dekko Garments Ltd : Ar. Saida Akter; Company: Matriek; Location: Gazipur, Bangladesh

### Overall 12 Countries Submitted as of 25<sup>th</sup> August 2025

Total Project = 22 Projects

Total boards = 90 nos. of A1 size boards

Prepared by:  
Ar. Alice Leong Pek Lian  
Chairman, ACGSA  
Date: 4<sup>th</sup> September 2025

ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea



# ACGSA 2025 ANNUAL REPORT

Green AsiARCH 2025 – 8<sup>th</sup> – 12<sup>th</sup> September 2025



Green AsiARCH - 07, 2025  
at Incheon, Korea




## CERTIFICATE OF PARTICIPATION

IS AWARDED TO  
**Dato' Sri Ar. John Lau Kah Seng,  
Ar. Voon Choon Hin & Ar. Florence Yap**  
**Arkitek KDI Sdn Bhd, Malaysia**

in recognition and appreciation of the commendable participation  
**Name of the project :** Sarawak Muzeum Campus and Heritage Trail  
**Location :** Kuching, Sarawak, Malaysia



**Ar. Alice Leong Pek Lian**  
Chairman,  
ARCASIA Committee on Green &  
Sustainable Architecture (ACGSA)




**Ar. Saifuddin Ahmad**  
President ARCASIA

INCHEON, SOUTH KOREA SEPTEMBER 8 - 12, 2025

### SARAWAK MUSEUM CAMPUS AND HERITAGE TRAIL



The Sarawak Museum Campus and Heritage Trail (formerly known as the New Sarawak Museum and Annex Building) is located in Kuching, Malaysia, spanning a total area of 4.42 acres with a built-up area of 30,000 sqm. Completed in 2019 at a total cost of RM72,884,322.00, the project was designed by Arkitek KDI Sdn. Bhd. The New Sarawak Museum is conceptualized as an iconic building of Sarawak, sitting on top of the hill in the same axial line as the DUN building, overlooking the Pedagogical Museum with generous, the modular facade cladding units and articulated ways to integrate traditional crafts in Sarawak, such as pua kumbu, sarung, batik and rattan mat. "Diamond" or "rhombus" shape is selected as the basic shape to form the modular cladding units. These units comprise a series of repetitive, slightly folded diamond shape arranged in alternate directions. The interlocking repetitive facade pattern that subtly raises the value of the Sarawak traditional weaving. The arched concepts and golden roof are a response to another iconic state institution building, i.e. the Dewan Undangan Negeri (DUN) which is located on the same urban axial line. The building is surrounded by lush green, with existing city trees being kept.





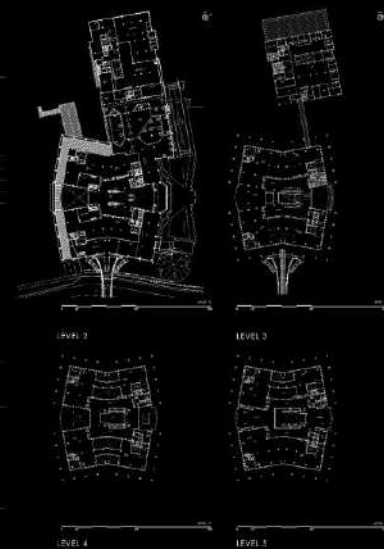

Green AsiARCH - 07, 2025  
at Incheon, Korea



### BRIEF DESCRIPTION

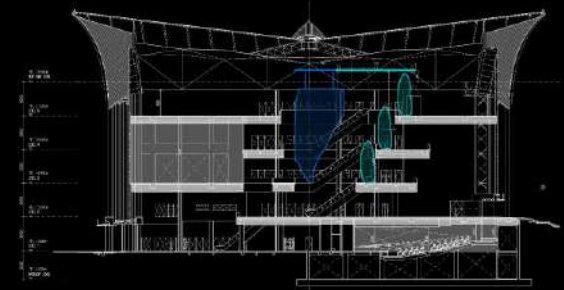
We were invited by PPS Works (Sarawak) Sdn Bhd to participate in a design competition for the new Sarawak Museum in 2013, which we subsequently won. The original winning design underwent several revisions, and from the ten options proposed, the final design was selected in 2013 by the late Chief Minister, Tun Pehin Sri Haji Abang Joha Thajudin. Throughout the design development, we took part in various workshops and field visits, including the Sarawak Museum Planning and Strategy Workshop (18-20 February 2014), a study trip to several museums in Singapore (21-22 April 2014), and a peer review of the National Library Museum in London (28 September - 2 October 2014).

Client:	PPS Works
Subject of the Project:	Sarawak Museum
Location:	Central Kuching
Area - Land Area:	4.42 acres
Building Area:	30,000 sqm
Year of Completion:	2019
Lead Architect:	Arkitek KDI Sdn Bhd
Client Representative:	Mr. Puan Cheong Han, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui, Mr. Szeow Heng Hui
Architect:	Arkitek KDI Sdn Bhd
Member of the Consulting Firm:	Arkitek KDI Sdn Bhd
Contract Structure:	Design-Build
IGP:	Professional Services
Language:	Malay
Website:	www.arkitek-kdi.com
Photo:	Green AsiARCH Project




### ATRIUM DESIGN


The museum atrium is designed in their shape with several subtle staggering platforms, created to enhance visual connectivity between floors that could house huge special exhibition items. Museum can also hang super-size artwork from top of the central atrium, which is a volumetric space spanning across 4 levels. Meanwhile, huge curtain walls with UV control glass are located at both ends of the linear shaped atrium, allowing the space to be flooded with abundant natural lighting throughout the day.



Section cut through the linear-shaped museum atrium, showing possibilities to house huge exhibits and hang super-size artwork.



Green AsiARCH - 07, 2025  
at Incheon, Korea





ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

Green AsiARCH 2025 – 8<sup>th</sup> – 12<sup>th</sup>  
September 2025



Green AsiARCH - 07, 2025  
at Incheon, Korea

**ARCASIA**  
Architects Regional Council Asia

**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture

## CERTIFICATE OF PARTICIPATION

IS AWARDED TO

**HB Design  
Thailand**

in recognition and appreciation of the commendable participation.

Name of the project : **PARK SILOM**  
Location : **Bangkok, Thailand**

*Ar. Alice Leong Pek Lian*  
Ar. Alice Leong Pek Lian  
Chairman,  
ARCASIA Committee on Green & Sustainable Architecture (ACGSA)

*Ar. Saifuddin Ahmad*  
Ar. Saifuddin Ahmad  
President ARCASIA

INCHEON, SOUTH KOREA SEPTEMBER 8 - 12, 2025



### SISB THONBURI, Thailand

Location	Bangkok, Thailand
Client	Singapore International School of Bangkok (SISB)
Use	Secondary School
Area	13,300 m <sup>2</sup>
Status	Completed 2022
Lead Architect	Plan Architect
Landscape Architect	Buika Landscape
Structure	PSIA Consulting Engineers
MEP	Engineering Technology Consultant

Singapore International School of Bangkok, Thonburi phase II is the expansion phase for the secondary students, which the new site sits inside the existing one. In the new phase layout, the 2 buildings are aligned on the back edge to create the big green activities space sharing between both phases. The main school function consists of classrooms, auditorium, gymnasium, library, administration office, staff rooms, and common area.

The main concept of this school is to create a space where students can learn from architecture together with play and stay in all circumstances. The building's shape is designed in a linear shape with 6-meter width double-door corridor in front of each classroom. This space can be used as a common space and circulation at the same time. To avoid looking natural light and ventilation, the building is separated into two parts and additional halls to let the wind and sunlight come into the building.

With the regulation of city planning, the building needs to be separated into 2 with limited height, but we intend to make the buildings act as a single facade and for the landscape so the horizontal facade is used to link each other. With one end on the edge is an auditorium, building A, which is closer to the entrance, is designed to spread the wing out to welcome the students and all users with the covered walkway that is designed to match and link with the building. While another end of building B is provided for the location of the gymnasium.

Green AsiARCH - 07, 2025  
at Incheon, Korea



### SISB THONBURI, Thailand

Green AsiARCH - 07, 2025  
at Incheon, Korea

**ARCASIA**  
Architects Regional Council Asia

**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

Green AsiARCH 2025 – 8<sup>th</sup> – 12<sup>th</sup>  
September 2025



Green AsiARCH - 07, 2025  
at Incheon, Korea




## CERTIFICATE OF PARTICIPATION

IS AWARDED TO

**Ar. Liu Heng; China Architecture Design & Research Group; and  
China Urban Development Planning & Design Consulting Co. Ltd  
China**

in recognition and appreciation of the commendable participation

**Name of the project :** Zero Carbon Origami Airplane – Shanghai Lin'gang  
**Location :** Starry Sky Theme Park Visitor Service Center  
Shanghai, China



**Ar. Alice Leong Pek Lian**  
Chairman  
ARCASIA Committee on Green &  
Sustainable Architecture (ACGSA)



**Ar. Saifuddin Ahmad**  
President ARCASIA

INCHEON, SOUTH KOREA SEPTEMBER 8 - 12, 2025

## Zero-Carbon Origami Airplane

01

— Shanghai Lin'gang Starry Sky Theme Park Visitor Service Center

**Name of Project:** Zero-Carbon Origami Airplane—Shanghai Lin'gang Starry Sky Theme Park Visitor Service Center

**Country:** China      **Location (City):** Shanghai

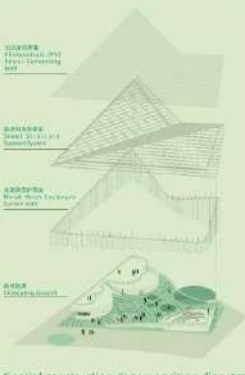
**Area:** Land Area: 3000 m<sup>2</sup>      **Build Area:** 2300 m<sup>2</sup>

**Year of Completion:** 2022      **Cost:** \$3.46 million


**Architects:** Liu Heng

**List of Professionals:**  
Xu Feng, Wang Peng, Yang Xi, Huang Jianzao, Hon Ling, Qi Ranran, Li Hanjiang, Li Xiang, Gao Lin, Xu Hongzeng, Gao Zhiming

**Name of the Consulting Firm:**  
China Architecture Design & Research Group  
China Urban Development Planning & Design Consulting Co., Ltd.



Spatial construction decomposition diagram




Site Plan


**Brief Description:**  
The "zero-carbon origami airplane" roof echoes Anoushka Park, integrates BIPV panels (covering 10% of building energy), its open under-roof area has multi-functional zones, fully open exterior, boasts natural ventilation lighting, Office sensor control, AC/heat etc. Measures like these achieve zero-carbon/energy operation.

**Design Concept:**  
The S&TP Visitor Service Center is a public building designed and constructed by zero energy consumption standards, it attempts to balance the relationship between "reducing energy demand" and "increasing building capacity" to achieve the proactive regulation of spatial energy consumption, demonstrating an active building.


**Awards:**  
2024 Active House Alliance Awards International Grand Winner (Public Buildings Category)  
2025 Architizer A+Awards Jury Grand Winner (Sustainable Cultural Architecture Category)




Relationship with Dishui Lake City




Relationship with the Surrounding City and Other Single Structures in the Sponge Park



View of the "Paper Plane" building from the Infinite Bridge



Green AsiARCH - 07, 2025  
at  
Incheon, Korea



## Zero-Carbon Origami Airplane

03

— Shanghai Lin'gang Starry Sky Theme Park Visitor Service Center



Relationship between "Paper Plane" and Surrounding Site



The thin landscape water surface roofs the space



Contrasting view



Suspended Metal Mesh System



The completed BIPV-integrated photovoltaic roof



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# ACGSA 2025 ANNUAL REPORT

Green AsiARCH 2025 – 8<sup>th</sup> – 12<sup>th</sup>  
September 2025



Green AsiARCH - 07, 2025 at Incheon, Korea

**ARCASIA**  
Architects Regional Council Asia

**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture

## CERTIFICATE OF PARTICIPATION

IS AWARDED TO

**Ar. Suhasini Iyer**  
India

in recognition and appreciation of the commendable participation

Name of the project : HumanScapes Habitat Auroville India  
Location : Auroville, India



Ar. Alice Leong Pek Lian  
Chairman,  
ARCASIA Committee on Green & Sustainable Architecture (ACGSA)

Ar. Saifuddin Ahmad  
President ARCASIA

INCHEON, SOUTH KOREA SEPTEMBER 8 - 12, 2025

## HUMANSCAPES HABITAT AUROVILLE INDIA



Humanscapes is a collective housing project based on the 'co-housing concept' in Auroville, on a site of about 2,500 sqm. It is designed to demonstrate a living and evolving neighbourhood that mainstreams sustainable development and an integral lifestyle. The design and planning intends to create a benchmark in energy, waste and water use with solar passive buildings using low embodied building materials. Touted earth walls with waste Cuddapah stone strips and natural stone flooring are used as major building materials. Exposed brick-voids roofing system is also implemented in this project.

### Integrated Design for Sustainable Living

The project addresses many of the sustainable development goals set out by the UN.

The project is located in the international community of Auroville.

The project is planned in five phases. Phase 1 & 2 are completed and occupied.

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## HUMANSCAPES HABITAT AUROVILLE INDIA

### BUILDING: MATERIAL AND TECHNOLOGY

The project aims to reduce embodied energy by following four main principles:

1. use of locally available materials
2. reuse of construction & demolition and factory waste
3. low embodied energy with low U value, and finally
4. low tech and low skills needed for assembly to have a higher labour to material ratio.




**TYPICAL BUILDING SECTION**

Top of wall @ +9.43m

1 cm thick 1:10 screed 1:1

5 cm thick exposed thermal Ins.

Dissected brick-void laid on edge 23cm x 11.5cm x 7.5cm

Stone sitting

floor filling to achieve the FFL level

5cm thick concrete

Second floor FFL @ +5.40m

Broken coddapah with 15mm raised mortar joint

24mm fill, covered earth wall door sill height

Indian polished stone flooring

5cm thick DPC layer

Indian polished stone flooring

10cm thick FCC bed base

Ground floor FFL @ +0.00m

Ground floor @ 0.00m

01. POURED IN PLACE CONCRETE

02. EARTH WALLS WITH CONSTRUCTION AND DEMOLITION WASTE - LOW EMBODIED ENERGY

03. REUSE OF CONSTRUCTION AND DEMOLITION WASTE - LOW EMBODIED ENERGY

04. LOCALLY AVAILABLE MATERIALS

05. REUSE OF CONSTRUCTION AND DEMOLITION WASTE - LOW EMBODIED ENERGY

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Architects Regional Council Asia

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ARCASIA Committee on Green & Sustainable Architecture



# ACGSA 2025 ANNUAL REPORT

## Declaration 2025 Zero Carbon : Architecture Next

**arcasia**  
Architects Regional Council Asia

**ACGSA**  
ARCASIA Committee on Green & Sustainable Architecture

### ACGSA DECLARATION 2025: ACA21. INCHEON. SOUTH KOREA CARBON ZERO: ARCHITECTURE NEXT

We, the undersigned architects of ACGSA recognize the urgent need for action to combat climate change. Our profession has a significant impact on the environment, and we commit to advancing practices that shall lead to a sustainable future.

We do recognize and endorse the following statements which shall be the part and parcel of this declaration and be propagated to all the members of the ARCASIA family and beyond who care for the profession of architecture and dream for a sustainable habitat for the future generations.

- 1. ZERO CARBON EMISSION AND CARBON NEUTRALITY**  
We declare our commitment to designing and constructing buildings that target Zero Carbon Emissions and accommodate Carbon Neutrality ventures. This includes minimizing energy consumption, utilizing renewable energy sources, and embracing innovative technologies to eliminate carbon output throughout the lifecycle of the projects as well as, offsetting any unavoidable emissions through verified programs, such as reforestation, renewable energy projects, and community investments.
- 2. CARBON CAPTURE AND STORAGE (CCS)**  
We advocate for the integration of Carbon Capture and Storage technologies in both new and existing buildings. We recognize the role that these technologies play in mitigating greenhouse gas emissions and are dedicated to supporting research and development efforts in this field to enhance effectiveness and accessibility.
- 3. CARBON TRADING / CARBON OFF-SET**  
Our commitment to sustainable architecture includes responsible management of carbon emissions through Carbon Trading and Carbon Offsets. We recognize that reducing carbon footprints is essential to combating climate change. To achieve this, we strongly support and encourage integrating carbon offset strategies into all possible projects, such as investing in renewable energy, reforestation, and conservation initiatives that neutralize enduring emissions. We also advocate establishing transparency and accountability in these practices, ensuring that offsets are real, verifiable, and contribute meaningfully to reducing global carbon levels.
- 4. PRINCIPLES OF E.S.G**  
Sustainable architecture engrained in ESG principles promises to creating built environments that are Environmentally responsible, Socially inclusive, and ethically Governed. We emphasize to ensure the integral role architects and developers play in fostering sustainability through innovative design, responsible resource use, and community engagement in order to uphold these principles of ESG.
- 5. EDUCATION AND ADVOCACY**  
We commit to reach out to the community, the clientele and the different stakeholders such as policy makers, legislators, peers on the importance of sustainable architecture through Education & Advocacy. We also aim to connect academia and encourage inclusion of Sustainability and Carbon Zero attributes in the curriculum and research endeavors.
- 6. COLLABORATION FOR INNOVATION**  
We understand the importance of collaboration with scientists, researchers, entrepreneurs, policymakers, in order to advance the goals of zero carbon emissions and carbon neutrality. We pledge to work together to promote policies and incentives that support the transition to sustainable practices.

**7. LONG-TERM VISION**  
We envision a future where sustainable architecture through Carbon-Zero ventures become the standard practice, leading to thriving ecosystems and resilient communities. We are dedicated to creating spaces that not only meet current needs but also enhance the quality of life for future generations.

#### CONCLUSION

By signing this declaration, we affirm our dedication to combating climate change through sustainable architectural practices strengthened and secured by the effective incorporation of Carbon Zero modalities in design & Implementation. Together, we can shape a built environment that honors our planet and inspires a brighter, more sustainable future.

- ZERO CARBON EMISSION
- CARBON NEUTRALITY
- CARBON CAPTURE STORAGE



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

## Declaration 2025 : Zero Carbon : Architecture Next

TO  
All Presidents of ARCASIA Members' Institutes

TO  
All ACGSA Committee Members

### ARCASIA COMMITTEE ON GREEN & SUSTAINABLE ARCHITECTURE (ACGSA) DECLARATION 2025

Greetings from ACGSA.

First, we would like express our sincere thank you to all the ACGSA Committee Members for the good efforts and contributions in making successful for ACGSA Committee to finally set a new **Declaration 2025** focusing on **"Zero Carbon : Architecture Next"**. This Declaration has been approved, accepted and has been signed off by each ACGSA committee members.

The purpose of having this Declaration are as follows: -

1. This Declaration serves as a guiding framework for regional architects in Asia to embrace Zero Carbon, Environmental, Social, and Governance (ESG) principles, carbon neutrality, and sustainability in their practices. By adhering to this declaration, architects are encouraged to integrate sustainable design practices into their work continuously. This initiative not only supports the development of environmentally responsible policies but also fosters a culture of sustainability among professionals now and future.
2. Ultimately, this declaration empowers architects to create designs that prioritize ecological balance, social equity, and economic viability, contributing to a healthier planet and built environment for future generations.
3. This declaration focusing on Zero Carbon, ESG, and Carbon Neutrality provides a clear framework for Asia's regional architects to develop their future country reports with specific and actionable guidelines, especially in reporting the country reports in future ACGSA Committee Meetings or Round Table Meetings with clearer direction and purpose.
4. By establishing measurable targets and best practices drive either at the beginning stage or developing stage or focusing in Macro scale or in Micro scale of country's development, this declaration helps architects align their work with national sustainability goals. It encourages the integration of environmentally friendly materials and methods into architectural designs, thereby enhancing the clarity and purpose of country reports. Furthermore, the declaration fosters collaboration among architects, policymakers, and stakeholders, ensuring that reports reflect a unified vision for sustainable development, ultimately guiding countries toward a greener future.

#### OFFICE BEARERS 2024-2025

President  
Ar. Saifuddin Ahmad  
Malaysia

Vice President (Zone A)  
Ar. Devendra Nath Gongal  
Nepal

Vice President (Zone B)  
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Hong Kong

Immediate Past President  
Ar. Abu Sayeed M Ahmed  
Bangladesh

Honorary Secretary  
Ar. Dexter Y.P. Koh  
Malaysia

Honorary Treasurer  
Ar. Ridha Razak  
Malaysia

Advisor  
Datuk Ar. Tan Pei Ing  
Malaysia

Advisor  
Ar. Rita Soh  
Singapore

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Committee Chair (ACAE)  
Ar. Jonathan Manalad  
Philippines

Committee Chair (ACPP)  
Ar. Zhang Wei  
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Committee Chair (ACSR)  
Ar. Farhana Sharmin Emu  
Bangladesh

Committee Chair (ACGSA)  
Ar. Alice Leong  
Malaysia

Committee Chair (ACYA)  
Ar. Denny Setiawan  
Indonesia



5. Since the International goals, like the UN Habitat-backed Race to Zero campaign, aim for net-zero emissions by 2050 to limit global warming to 1.5°C; This declaration's validity shall be sustained for a long time of period in assisting the architects to play their role due diligently in the construction industry.

We totally understand each member's country has its different approaches and different pace in approaching and achieving green sustainability toward Zero Carbon, Carbon Neutrality, Carbon Capture, ESG etc; and this Declaration play the roles as guidelines.

Attached herewith is the signed declaration by ACGSA Committee and the e-copy will be sent to all ARACASIA Members Institutes via email.

Yours sincerely

**Ar. Alice Leong Pek Lian**  
Chairman of ARCASIA Committee on  
Green & Sustainable Architecture (ACGSA)  
CC: 1. Ar. Saifuddin Ahamd, ARCASIA President  
2. Ar. Dexter Koh ARCASIA Hon. Secretary



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT



ARCHITECTS REGIONAL COUNCIL ASIA (ARCASIA) LTD. • Co. Regn. No. 202018266H  
 SECRETARIAT 2024-2025 PAM Centre, 9th, Jalan Tandoi, Bangsar, 59100 Kuala Lumpur, MALAYSIA  
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Ref : 250908/ARC25/ACGSA/03  
 Date: 8th September 2025

TO  
 All Presidents of ARCASIA Members' Institutes

TO  
 All ACGSA Committee Members

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### OFFICE BEARERS 2024-2025

- President  
 Ar. Salsubidhi Ahmad Malaysia
- Vice President (Zone A)  
 Ar. Devendra Nath Goyal Nepal
- Vice President (Zone B)  
 Ar. Srikhans Thammasaenath Laos
- Vice President (Zone C)  
 Ar. Thomas Cheung Hong Kong
- Immediate Past President  
 Ar. Abu Sayeed M Ahmed Bangladesh

Honorary Secretary  
 Ar. Dexter Y.P. Koh Malaysia

Honorary Treasurer  
 Ar. Khilla Rezak Indonesia

Advisor  
 Dato' Ar. Tan Fook Ling Malaysia

Advisor  
 Ar. Rita Sali Singapore

### CHAIRS 2024-2025

Committee Chair (ACAS)  
 Ar. Jeronimo Marabot Philippines

Committee Chair (ACPP)  
 Ar. Zhang Wei China

Committee Chair (ACPIR)  
 Ar. Fakhra Shaban Elm Bangladesh

Committee Chair (ACGSA)  
 Ar. Alice Leong Malaysia

Committee Chair (ACVN)  
 Ar. Denay Setiawan Indonesia

Chair (Knowledge)  
 Ar. Debatosh Saha India



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Yours sincerely

Ar. Alice Leong Pek Lian  
 Chairman of ARCASIA Committee on Green & Sustainable Architecture (ACGSA)  
 CC: 1. Ar. Saifuddin Anand, ARCASIA President  
 2. Ar. Dexter Koh ARCASIA Hon. Secretary



## Declaration 2025 : Zero Carbon : Architecture Next



MEMBER INSTITUTES | AAU • Architects Association of Austria | ALACS • Association of Lic. Architects and Civil Engineers | AIA • Association of Myanmar Architects | ASA • The Association of Siamese Architects under Royal Patronage | ASC • The Architectural Society of China | BIA • The British Institute of Architects | BICA • The Hong Kong Institute of Architects | IAI • Institute of Architects Bangladesh | IAI • Institut Arsitek Indonesia | IAP • The Institute of Architects Pakistan | IIA • The Indian Institute of Architects | IJA • The Japan Institute of Architects | KAI • Architects Union of Korea | KIRA • Korea Institute of Registered Architects | PAM • Peratuan Akitek Malaysia | PISA • Perhimpunan Lisan Jurdara & Arkitek | SIA • Singapore Institute of Architects | SLIA • Sri Lanka Institute of Architects | SQA • The Society of Queensland Architects | UAP • United Architects of the Philippines | UMA • The Union of Malaysian Architects | VAA • Vietnam Association of Architects



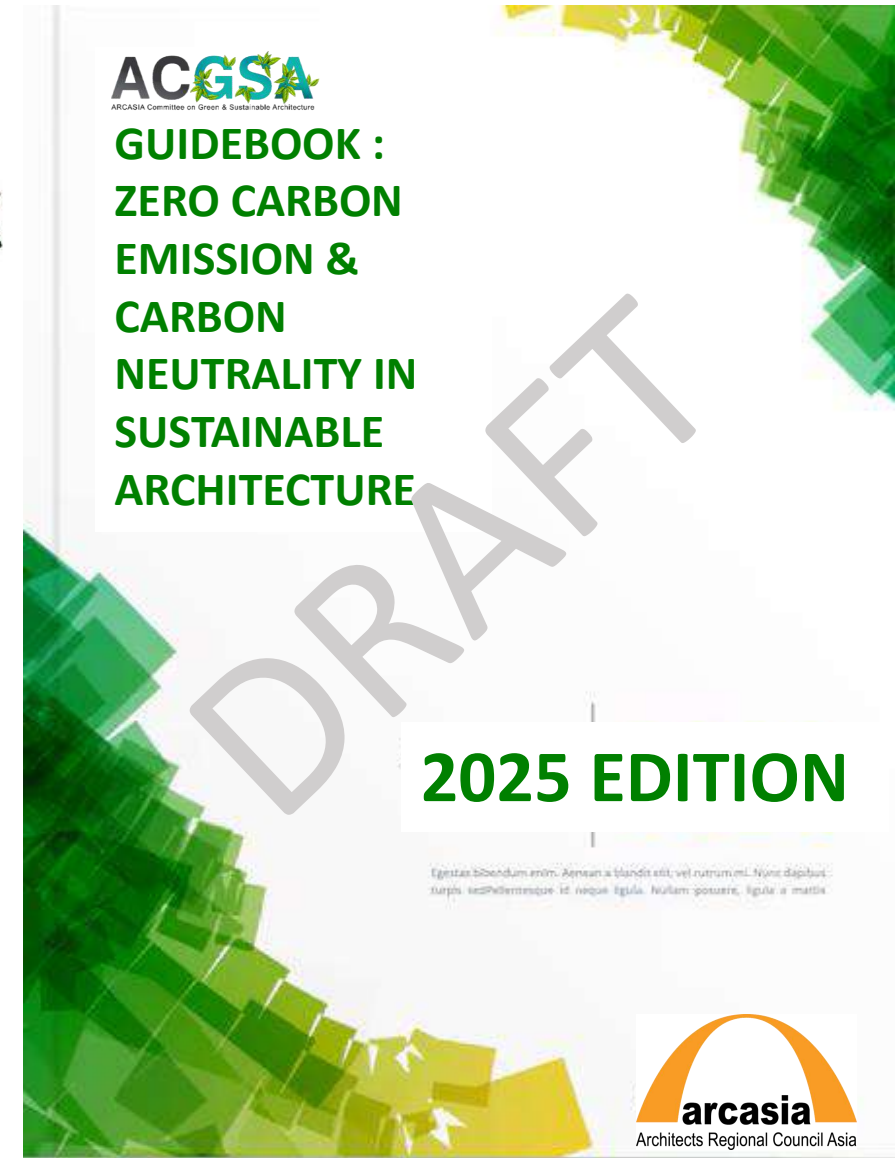
# ACGSA 2025 ANNUAL REPORT

ACGSA Guidebook 2025 – DECEMBER 2025 –E-LAUNCH

## ACGSA Guidebook Framework for Zero Carbon Emission & Carbon Neutrality in Sustainable Architecture

Research and Case Studies at Zone C

2025.08.30



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea

# ACGSA 2025 ANNUAL REPORT

Green AsiARCH 2025 – 8<sup>th</sup> – 12<sup>th</sup> September 2025

## 3. Renewable Energy Requirements

Region	On-Site Renewable %	Permitted Off-Site Solutions
Hong Kong	10-20% (solar PV, bioenergy)	Carbon offsets allowed for remaining emissions.
Macau	No mandate (rooftop solar)	Limited due to space constraints.
China	20-30% (solar, geothermal)	District renewable (e.g., wind farms).
South Korea	30-100% (ZEB Level 4-5)	Renewable Energy Certificates (RECs) accepted.
Japan	50-100% (ZEH/ZEB)	Solar PV, biomass, wind power, hydropower, geothermal power.
Mongolia	5-10% (solar/wind in rural areas)	Mostly off-grid solutions.

### Key Pathways – South Korea

**Green Building Certification Incentives**

Green Building Certification Criteria (G-SEED) 2016-7 Version 3 Explanation Manual pg. 22

**Property tax: 5 years after certification (Article 47-2 of the Local Tax Special Measures Act)**

Division	Green Building Certification Highest Grade (Green 1)	Green Building Certification Excellent (Green 2) Grade
Building Energy Efficiency Rating 1+	10%	5%
Building Energy Efficiency rating 1	7%	3%

**Acquisition tax (Article 47-2 of the Local Tax Special Measures Act)**

Division	Green Building Certification Highest Grade (Green 1)	Green Building Certification Excellent (Green 2) Grade
Building Energy Efficiency Rating 1+	10%	5%

**Relaxation of Building Standards (Building Energy Conservation Design Standards, Article 16 (Relaxation Criteria), Appendix 9)**

Relaxation Targets: Floor Area Ratio, Building Height Restrictions

Division	Green Building Certification Highest Grade (Green 1)	Green Building Certification Excellent (Green 2) Grade
Building Energy Efficiency Rating 1++	9%	6%
Building Energy Efficiency rating 1+	6%	3%



ACGSA REPORT for |

45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea



# END ACGSA ANNUAL REPORT 2025 & THANK YOU



**ARCASIA COMMITTEE ON  
GREEN & SUSTAINABLE  
ARCHITECTURE**



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45<sup>th</sup> COUNCIL MEETING | 9<sup>th</sup> – 10<sup>th</sup> September 2025 | Incheon, Republic of Korea