



arcasia committee on young architects

BULLETIN 4.0



ACÿA // 04

resiliency.
adaptability.
interdisciplinary hybridity.



editors' note

ACYA bulletin comes again!

This time, we are in a challenging global pandemic. However, the spirit and enthusiasm of young architects across Asia is stronger than ever. This is reflected in the brimming activities that filled ACYA's annual calendar during the pandemic.

As the architectural practice has been disrupted by the new norm, we are delighted to see young architects taking charge of change and revolutionizing how architectural services are offered and rendered. From automated Chatbots responding to potential clients, to the delivery of architectural services via online communication. The pandemic is a setback, but also an opportunity to reinvent the profession to be more resilient and innovative in providing value to society.

In this edition, we explore the new technology that is coming to the fore front in recent years. This includes the mass adoption of blockchain technologies in multitudes of form. Either as cryptocurrency, smart contracts, or NFTs (Non-Fungible Tokens) the technology is set to disrupt how we do business in the near future. The projects featured in this edition also reflect the need for sustainable food production in urban areas to reduce the food miles we consume.

Since many of us haven't been able to meet in person, we hope this bulletin will serve as a bridge to all young architects. Until the next edition, we hope to say 'Hi' in person again and enjoy the content.



Ar. Qhawarizmi Norhisham
ACYA PAM
Representative

collaborators



Ar. Ridha Razak
PAM



Ar. Primavera Desta
IAI



Ar. Bisma Askari
IAP



AAM

Architects
Association of
Macau



ALACE

Association of
Lao Architects
and Civil
Engineers



AMA

Association of
Myanmar
Architects



ASA

The Association
of Siamese
Architects
under Royal
Patronage



ASC

Architectural
Society of China



BIA

Bhutan Institute
of Architects



HKIA

The Hong Kong
Institute of
Architects



IAB

Institute of
Architects
Bangladesh



IAI

Ikatan Arsitek
Indonesia



IAP

Institute of
Architects,
Pakistan



IIA

The Indian
Institute of
Architects



JIA

The Japan
Institute of
Architects



KIRA

Korea Institute
of Registered
Architects



PAM

Pertubuhan
Arkitek Malaysia



PUJA (B)

Pertubuhan
Ukur, Jurutera
dan Arkitek,
Brunei



SIA

Singapore
Institute of
Architects



SLIA

Sri Lanka
Institute of
Architects



SONA

Society of
Nepalese
Architects



UAP

United
Architects of the
Philippines



UMA

Union of
Mongolian
Architects



VIA

Vietnam
Institute of
Architects



MEMBERS
INSTITUTES



Chairman's message

Dear ARCASIA Young Architects,

It's been 3 years since I took over as Chairman of ACYA and now is the time to pass the baton to the next Chair, Ar. Bisma Askari. Although half of my term as Chairman was hindered by pandemic, I think over the last 3 years we have managed to achieve our vision of creating traction and interest among the Young Architects to participate in ARCASIA activities.

With the support of my committee, we have managed to activate and bring ACYA to the next level of progression towards creating the Archiprenuer of the future. In these 3 years, we have organized round tables, forums, competitions, webinars and work-shops and documented it all in our 3 previous bulletins and on social media. Our Facebook now has almost reached 6000 members and I thank you for your support.

Many themes have been touched to increase capacity during my term, such as rethinking architectural future, cross border, heritage, sustainability, leadership, communication and not to forget technology. With the rapid change of new normal, new uncharted territories are coming such as block-chain which will change our future.

I hope Young Architects will continuously be resilient and adversarial in the coming years and pivot to greatness. Learn from the traditional method of architectural practice, innovate and collaborate inter disciplinarily and most important solidarity with our profession. I love Architecture, I love ARCASIA and I love innovation. Together we stand, with unity we progress.

Signing out as ACYA Chairman. Over and Out!

Ar. Ridha Razak
ACYA Chairman

ACYA x ACPP mentorship program & workshop



PRESENTS

RE-IMAGINING THE FUTURE OF YOUNG ARCHITECTS

COLLABORATIVE MENTORSHIP PROGRAM AND WORKSHOP

#acya #acyawebforum2020



AR. RAJ REWAL | INDIA



AR. JIN SUNG | SINGAPORE



AR. SATHIRUT NUI | THAILAND



design adaptability // design innovations // business in design

The collaborative ACYA x ACPP session, was designed as a two-part session. In the first part, renowned architects and mentors spoke on different aspects of architecture while imparting knowledge and experiences, in hopes of re-imagining the future of Young Architects. Ar. Raj Rewal from India spoke on “design adaptability”, while Ar. Jin Sung from Singapore shared his expertise on “design innovations” given the technological advancements. Ar. Sathirut Nui from Thailand explored “business in design” and all its facets, given the Young Architects a holistic understanding for re-imagining their futures.

The session was followed by two workshops; one for ACYA representatives “Unfold - Speculative Futures” by Ar. Hira Zuberi (Pakistan) and the second for ACPP representatives “Mentorship - A Practical Approach” by Ar. Mukul Goyal (India). The idea of the session & workshop was to bridge the gap for Young Architects from graduation to professional life.



UNFOLD : SPECULATIVE FUTURES
HIRA ZUBERI | PAKISTAN



MENTORSHIP : A PRACTICAL APPROACH
MUKUL GOYAL | INDIA



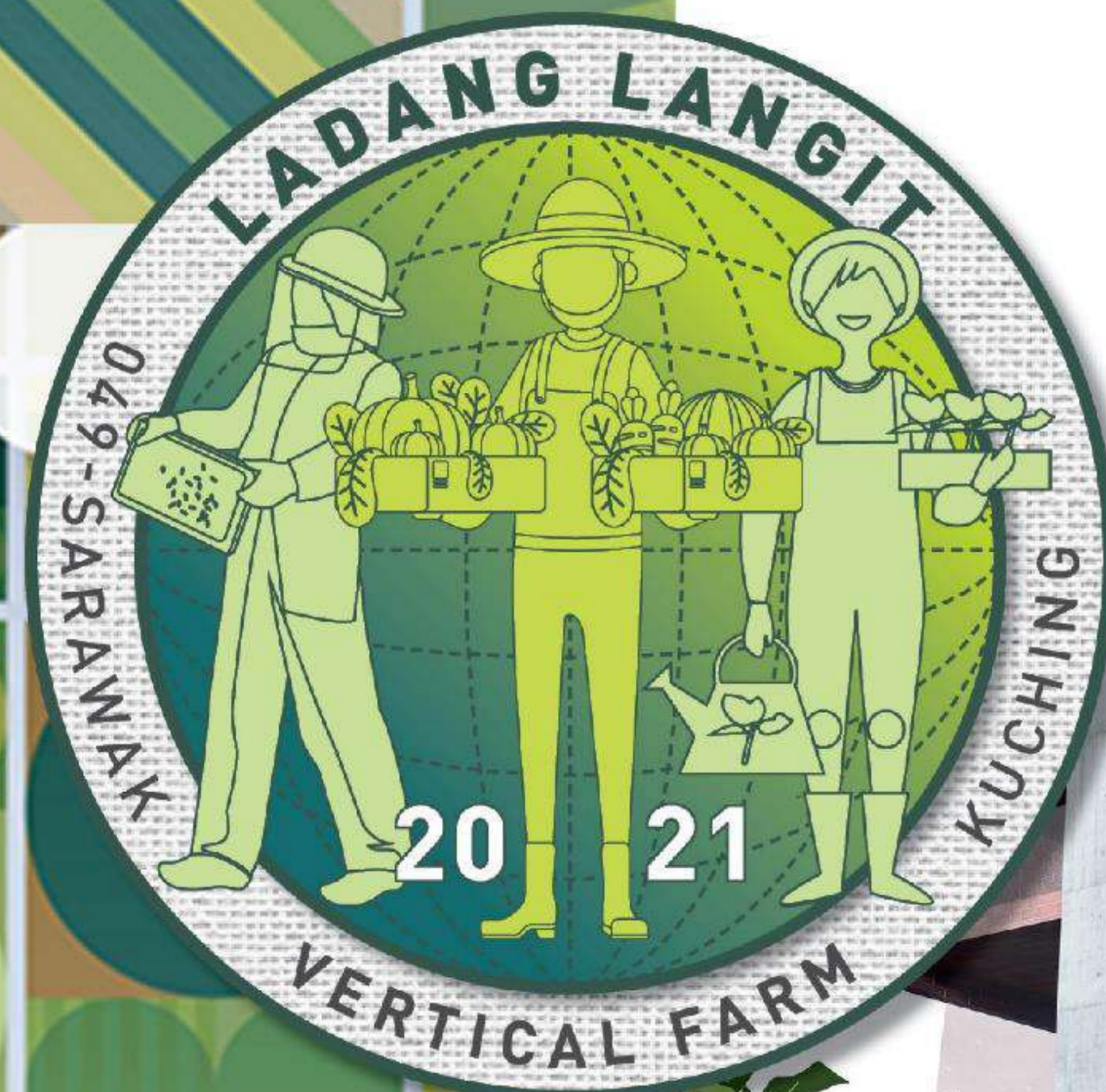
Ladang Langit

Kuching's new food source paradigm

A vertical farm in Kuching city center

Note : Kuching is a major city on the East Coast of Malaysia.

by Ar. Qhawarizmi Norhisham
and Ar. Yasmin Rahman



What legacy can we leave behind for a generation that is already battling global warming. Actions on climate change TODAY will define global legacy left for future generations.

The pandemic has revealed deep flaws in the world's food system and food leaders are calling for global coordination and climate resilient agriculture. The pandemic disrupted global supply chains, induced panic buying and cleared supermarket shelves exposing food vulnerability of Malaysian cities. At the same time, produce of farm in rural land has been thrown away due to poor coordination and travel restriction.

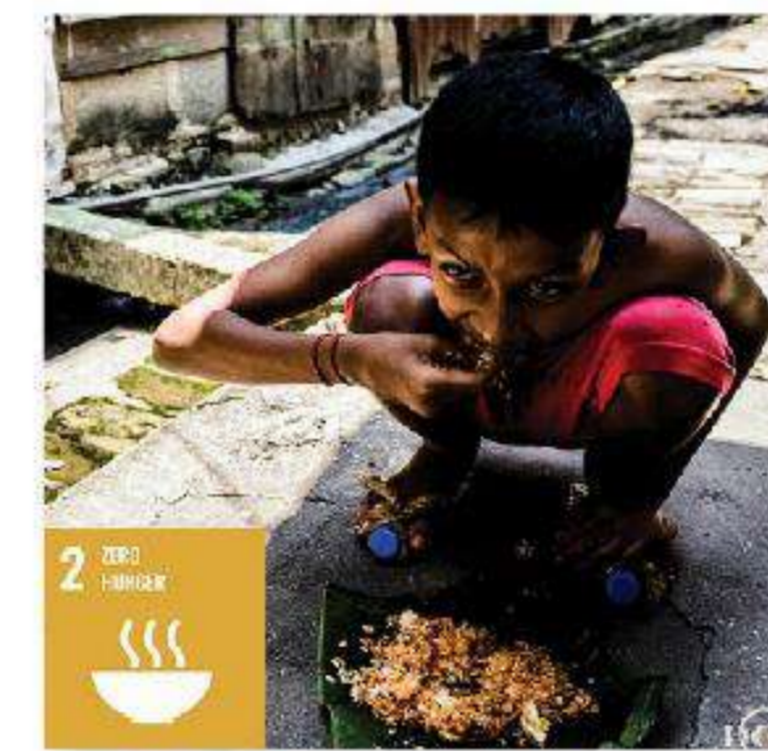
"If we want to protect our children, we need to make sure the air they breathe and the food they eat is safe,"

Day to day reality in the city of Kuching showcases a serious food deficit, RM 3.8 billion in 2019. This scenario is the result of dire move by the city to import food from foreign and distant farms. Kuching has the highest bill of imported food value and food miles in Malaysia.

Recently, Sarawak's government has announced all out initiative to reverse the situation by aiming 2030 as the year Sarawak become a net food exporter. This can be achieved by adoption of the best and latest agricultural technology to optimise farming output in a small farming footprint.

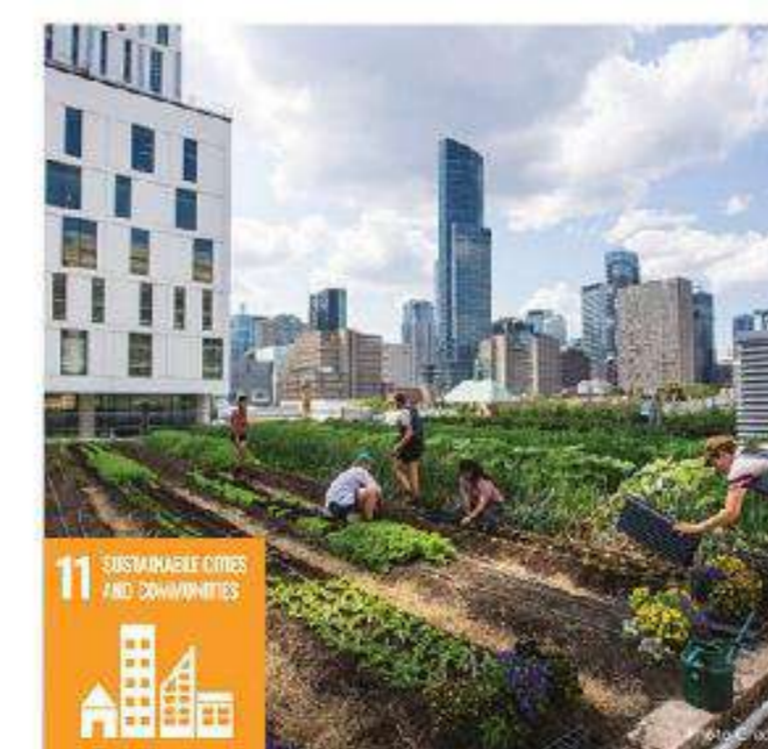


Farm in the city and protect our rainforests



SDG 2
Zero Hunger

End hunger, achieve food security and improved nutrition, and promote sustainable agriculture



SDG 11
Sustainable Cities & Communities

Make cities and human settlements inclusive, safe, resilient and sustainable

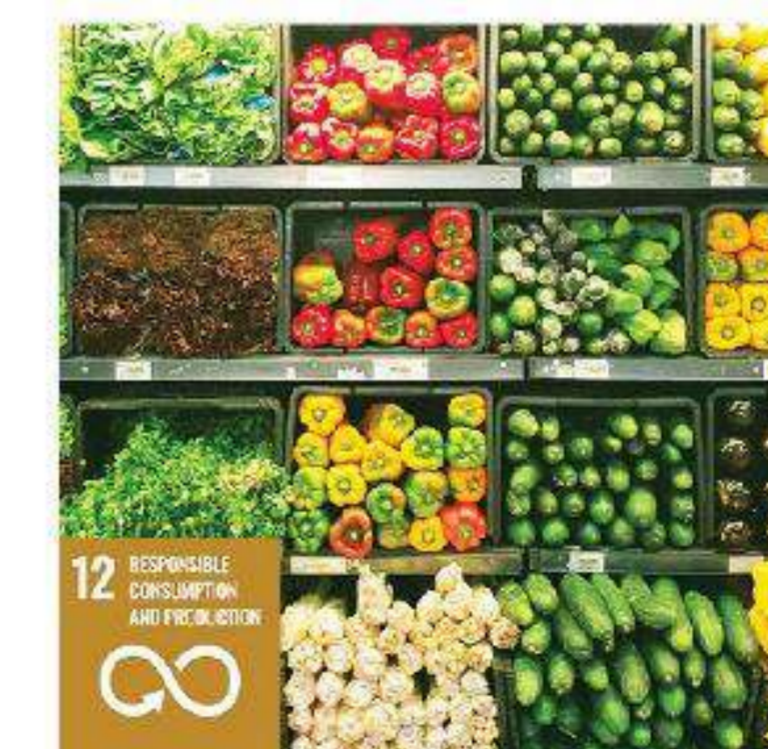


Farm 24/7 to get the best output out of small land



SDG 3
Good Health & Well-being

Ensure healthy lives and promote well-being for all at all ages



SDG 12
Responsible Consumption

Minimize food wastages as 13.8% of food is lost in supply chains.



Eat local, farm to table and cradle to cradle



SDG 10
Reduced Inequalities

Urban agriculture must prove that it can address health and economic disparities that stem from food access



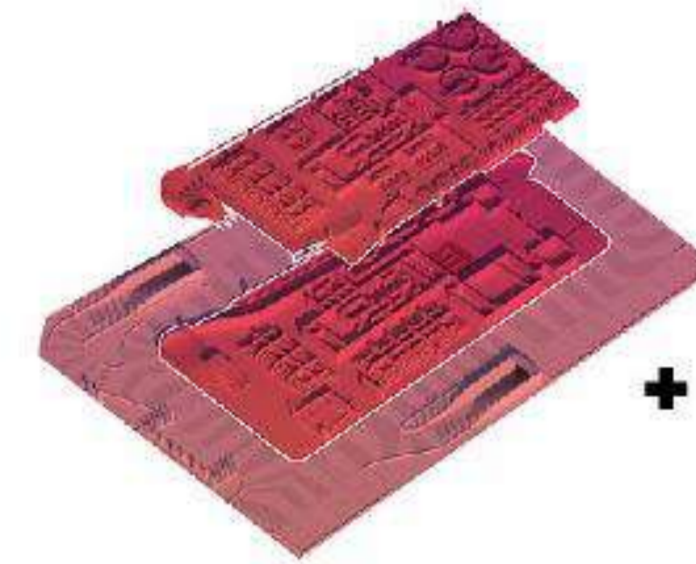
SDG 13
Climate Action

Take urgent action to combat climate change and its impacts



Ladang Langit: New age of food celebration

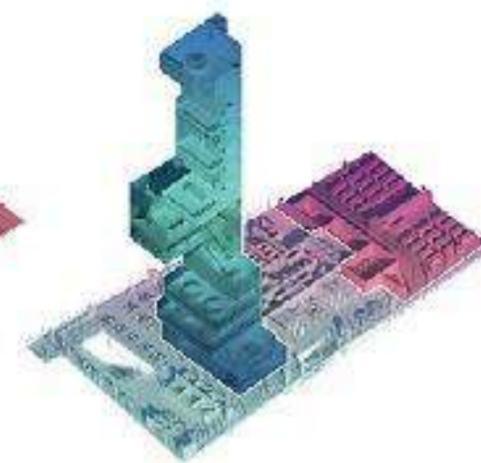
The lower floors provide public space for maximum communal engagement.



Food Engagement
PUBLIC SPACE

MARKET
AUDITORIUM
CAFE & FOOD COURT
DRIVE THRU
LOGISTICS

A vertical food museum punctures through the whole building showcasing all facets of a vertical farm.



Food Knowledge
PUBLIC SPACE

FUTURE FOOD MUSEUM
CULINARY ACADEMY

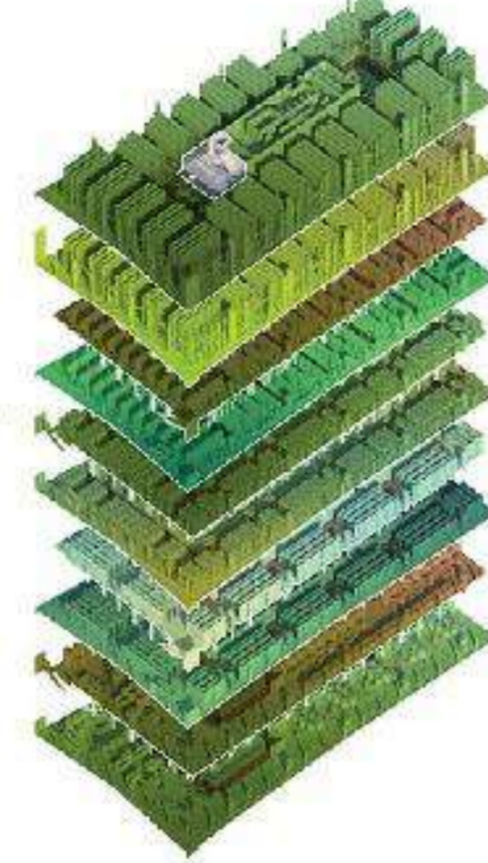
A dedicated cloud kitchen allows more young entrepreneurs to go into F&B industry with less overhead.



Food Preparation
SEMI PUBLIC SPACE

CLOUD KITCHEN

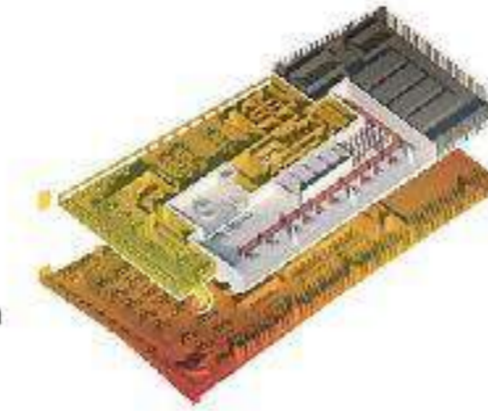
A food production engine producing the best food quality in the middle of the city.



Food Cultivation
STAFF ONLY

LETTUCE FARM
HERB & SPICE FARM
MUSHROOM FARM
CULTIVATED MEAT
PLANT BASE MEAT

An elevated dining experience to the skyline of Kuching, with ingredients grown in-situ.



Food Enjoyment
PUBLIC SPACE

FARM TO TABLE RESTAURANT
COFFEE & DESSERT
EVENT SPACE
SKYBAR
DRONEPORT

The building is a temple of our love for food. It cover all aspect that food can offer, engagement, culture integration, knowledge, and production.

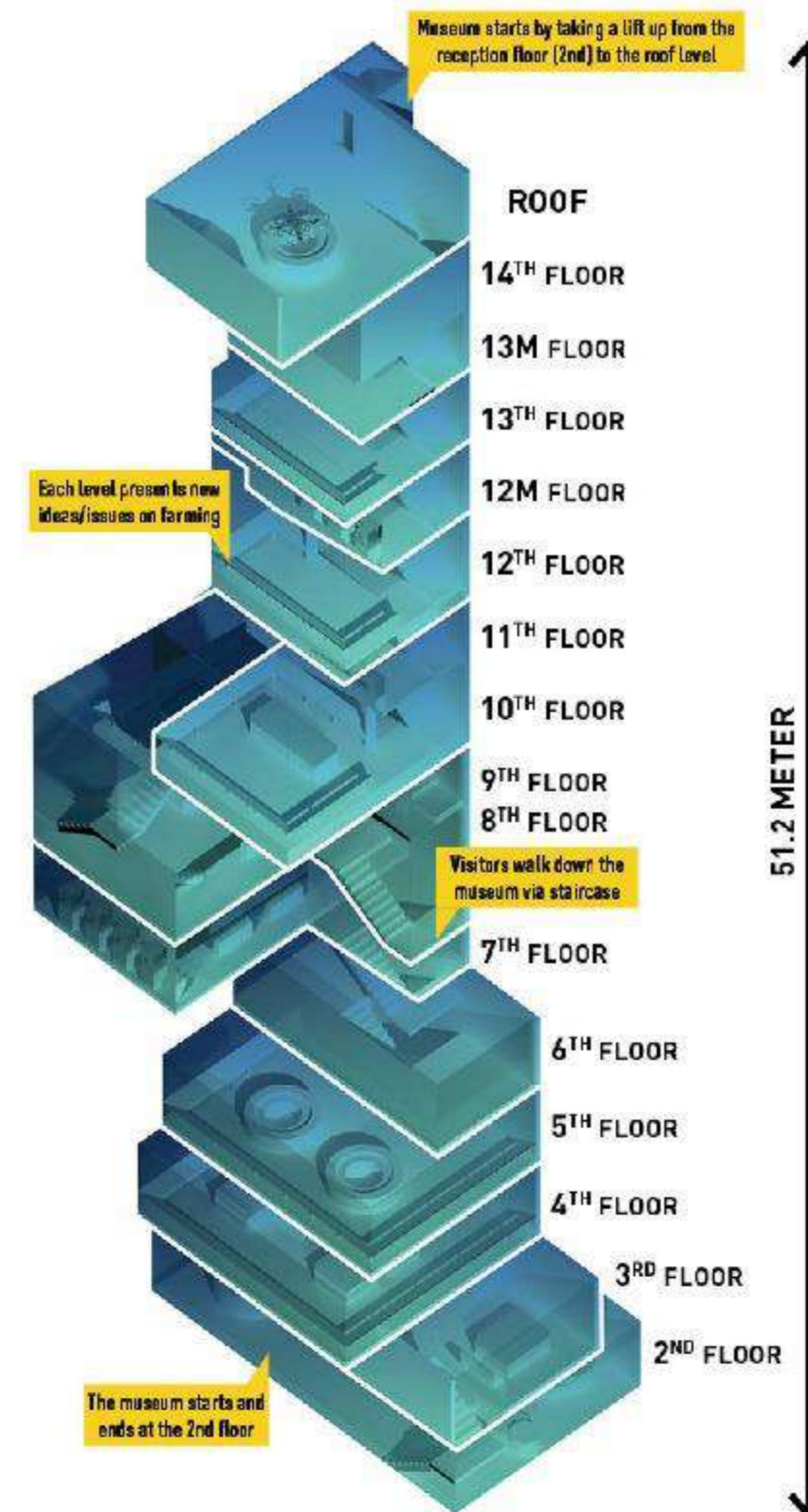


Vertical Automated Farming

The farm is highly automated with a variant of droids. They harvest, replant and carry produce to their destination via a dedicated droid shaft similar to Amazon. Humans play a supervisory role and troubleshoot occasional issues.

Future Food Museum

The museum offers a wide range of food and agricultural related content to educate the future generation. Also poised to be the Tallest Vertical Museum in the World (51.2m)



Vertical Glass Museum

In its center, a vertical museum wrapped in a secure glass shaft punctures through each farming floors. This enables visitors to experience the entire farming operation while educating themselves on the subject.

Alumni talk 20/03/21

Collaboration with
ACAE
ARCASIA Committee of
Architecture Education

AGCSA
ARCASIA Committee for Green
and Sustainable Architecture

UAC
UAC BERHAD (5149-H)
(A Member of Boustead Group)

Supported by
Lenovo

NVIDIA
LAP

Speaker 1



Ar. IDr. Marian Eileen 'Star' T. Florentino - Marudo

Finished her Bachelor of Science in Architecture from the University of Santo Tomas, Manila in 2004 and became a Licensed & Registered Architect in 2005. She is a Principal Partner, of E. Florentino3 and Associates, and the Managing Partner of Cix Sigma Design, Planning, and Construction Management. She is an active

member of the United Architects of the Philippines (UAP), served as Deputy Chair for the UAP's Committee on Young Architects. She also an active member of the EAROPH holding the esteemed position of Convention Convener for EAROPH Philippines for 4 consecutive years, and now serving as its Vice President.

Paper Synopsis // Innovative Mindset Approach

In the continually evolving design landscape, various type of client requirements are often faced by the Architect to solve; site suitability, sustainable design, marketability, technical design requirements, and project budget. From mass housing design, medium to high-end residential structures, low to medium-rise commercial, hospitality, & institutional projects.

Ar. Star will share her experience in their firm's innovative approach in solving project design requirements or challenges, while creatively incorporating structural building solutions to meet each project conditions. She will share how an innovative mindset approach is as equally important with building technologies or products in design projects.

Speaker 2



Ar. Gyanendra Shekhawat

Having a sound professional experience of over 20 years in the field of Architecture and urban Planning Ar Gyanendra Singh Shekhawat graduated with a bachelor's degree in 1997 and gained a master's in Urban Planning in 1999. Presently, he is a Founder and Principal Architect of IDEAS, one of the leading design firm specializing in Architecture,

Urban Planning & Interior Design based in Jaipur. He is also Chairman- ARCASIA committee on Architectural Education, (ACAE) which includes representation of 21 Asian countries. He has bagged multiple awards including the prestigious JK Architect of the year award 2016 for his remarkable and meticulous work in the field.

Paper Synopsis // Pathway to Resilience

At this exponential pace of design discipline alongside increased risk from climate change and aggravation of pandemic there is a dire exigency of innovation and adaptation of Architectural practices for working professionals and young blood. The design process is a crossroad of multiple options with a blurred future. Ar. Gyanendra Singh Shekhawat would be sharing his personal productive

learning of a coherent solution which is aligning technological advancement strategies with the business; thereby continuously evolving the design processes, sharing and adopting best practices from across the industry. He will also be sharing their firm's experience on profitable resource management, creating a supportive practice culture and benefits of employing virtual reality.

Speaker 3



Ar. Lim Jeong Taek

After 8 years of experience at Jeonglim Architecture from 1997, he established J Plus Architecture in 2004 and has continued to this day. He has been offered the creative and advanced architectural design in various projects as the commercial, office, Residential, cultural and educational

project. he got the Excellence Prize at the Korea Architecture Awards in 2015. He is active as a public architect in Seoul, and as Vice Chairman of the Young Architects Committee in KIRA, he expanded the field of exchange through a network of young architects.

Paper Synopsis // 2029 Houses

We want to take an opportunity to take a step in real-life housing design and look at thoughts and suggestions for the near future life through various architects. It was possible to make a variety of proposals for a space that cannot be contained in the present reality, or a space

that we would like to contain, and furthermore, for life and environment, which are not fantasy content in the very distant future. We propose and challenge new attempts while imagining the near future by breaking away from the standardized thinking of modern society.

Young Architects & Resilience

THINK SYSTEMICALLY, DESIGN SUSTAINABLY



Photographed by: Patrick Bingham Hill

There is no way better than understanding the sustainable design approach through systems thinking without looking at the examples of built-up projects. We would like to introduce three buildings in Singapore which widely known as nature-and-people-oriented buildings. Those buildings include Kampung Admiralty in North Singapore, Oasis Terraces in North-East Singapore, and South Beach Tower in South Singapore.

Designed by WOHA Architects, Kampung Admiralty has become a new face of living in Singapore as this building has 11-storey of mixed-use function such as apartments, park, medical center, retails, restaurants, as well as public square and a 2-storey of basement carparks. "Kampung Admiralty is Singapore's first building to bring together a mix of public facilities and services under one roof. The traditional approach is for each government agency to have their own plot of land, resulting in standalone building. This one-stop integrated complex maximizes land use and the benefits of co-location and is a prototype for meeting the needs of Singapore's ageing population." Quoted by WOHA Architects in 2018.



Photographed by: Darrell Soh

Unlike Kampung Admiralty which has a concept of mixed-use residential building, Oasis Terraces which designed by Serie Architects is more like a public facility to serve communities in North-East Singapore, especially in Punggol area. It is a project that was developed by the Housing and Development Board (HDB) together with the Ministry of Health (MOH) as their joint stakeholder, and therefore, the main function of this building is to act as community center which is equipped with polyclinic, a retail component with restaurants and shops, community plaza, and rooftop community garden as well.



Photographed by: Huihan Y. Chan

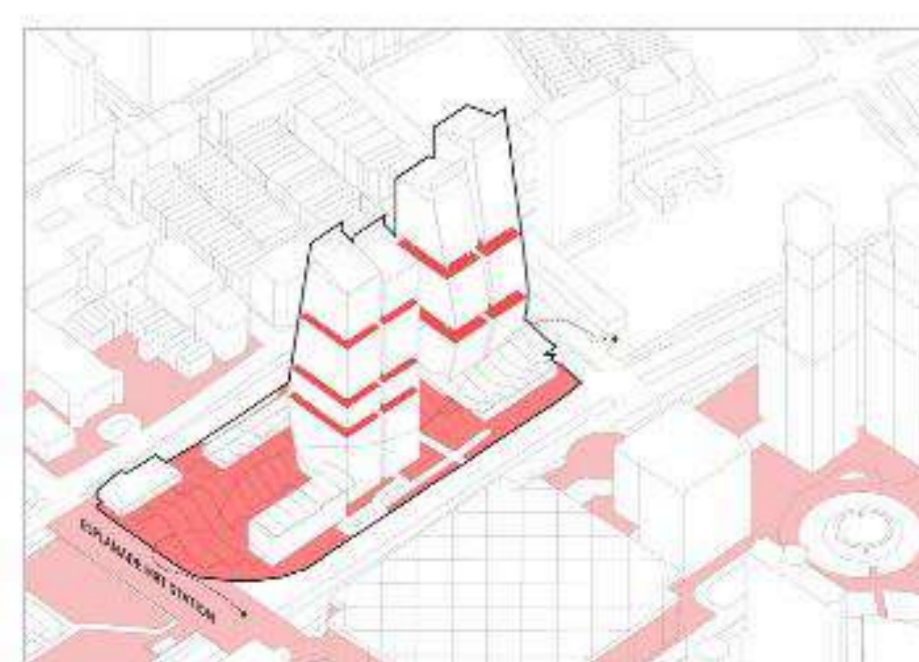
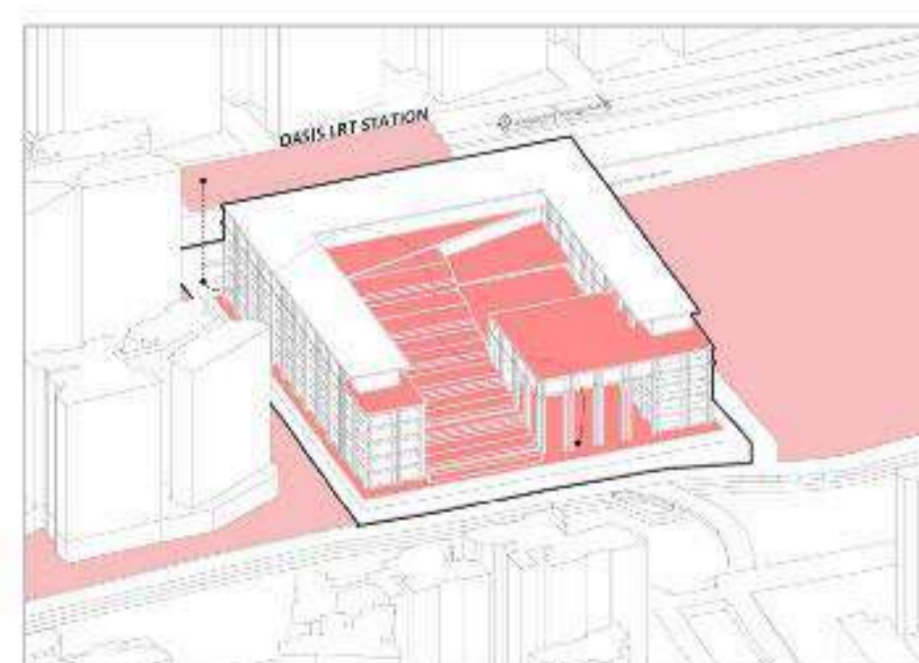
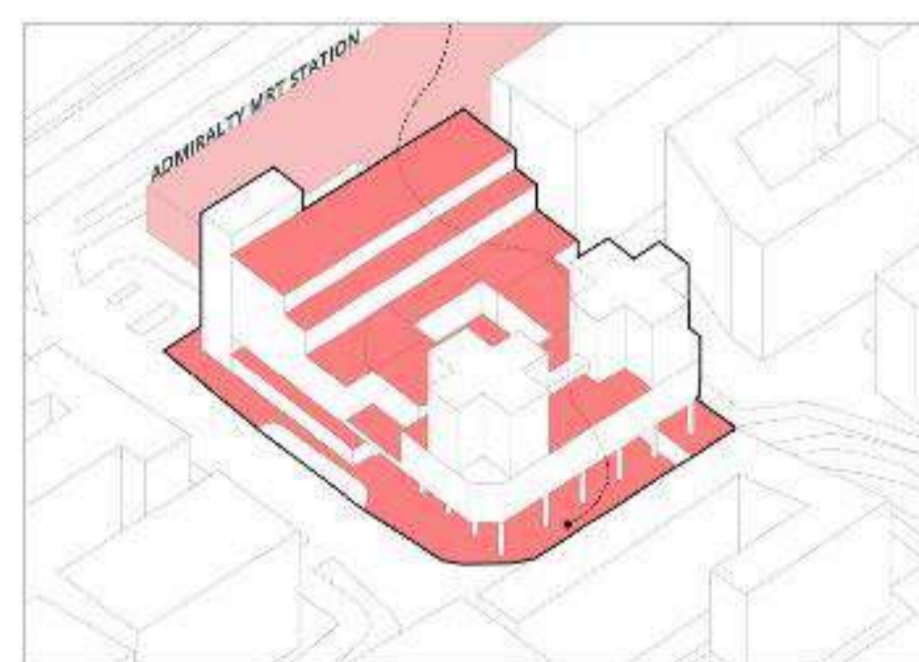
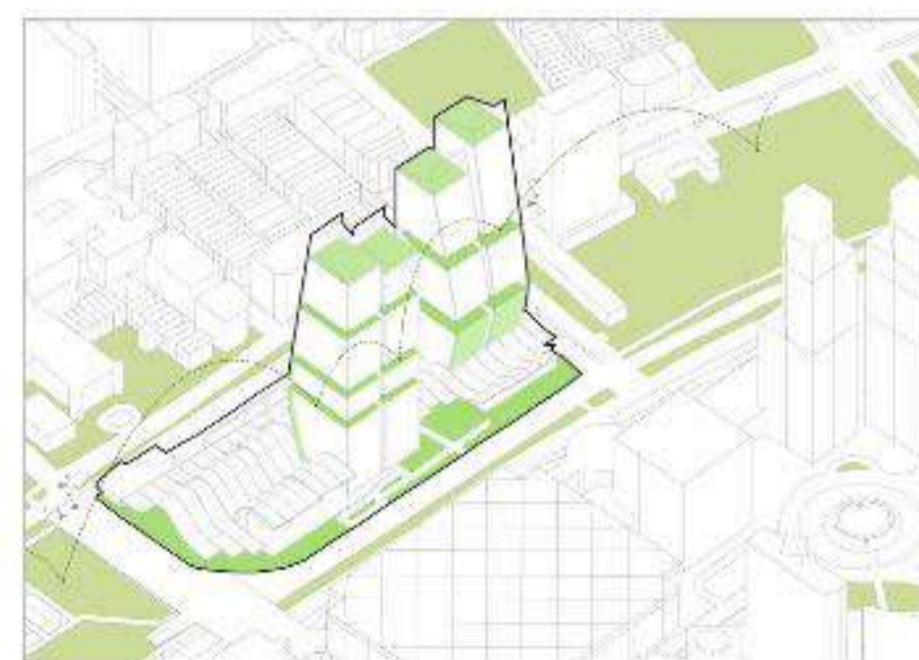
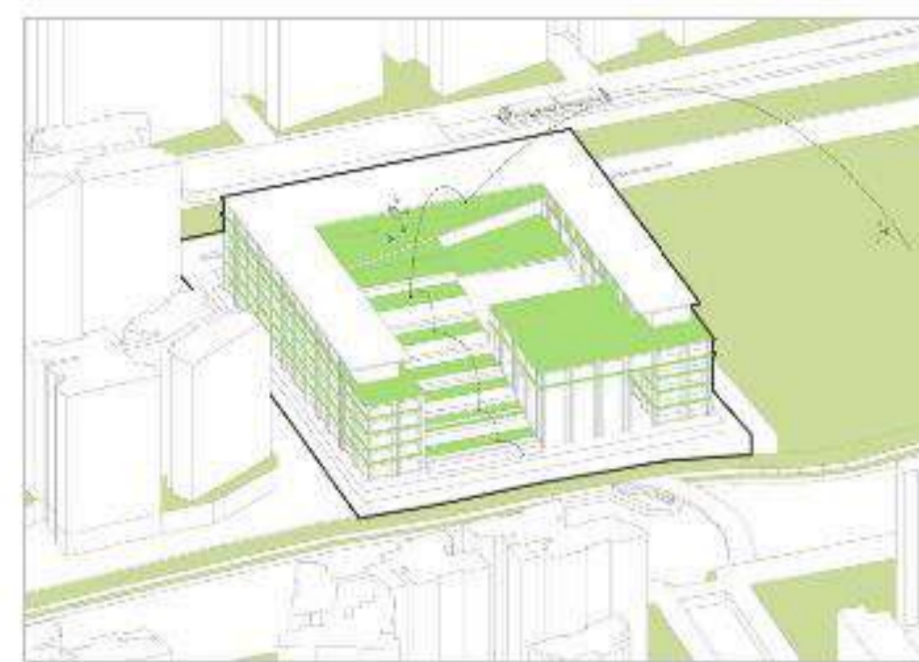
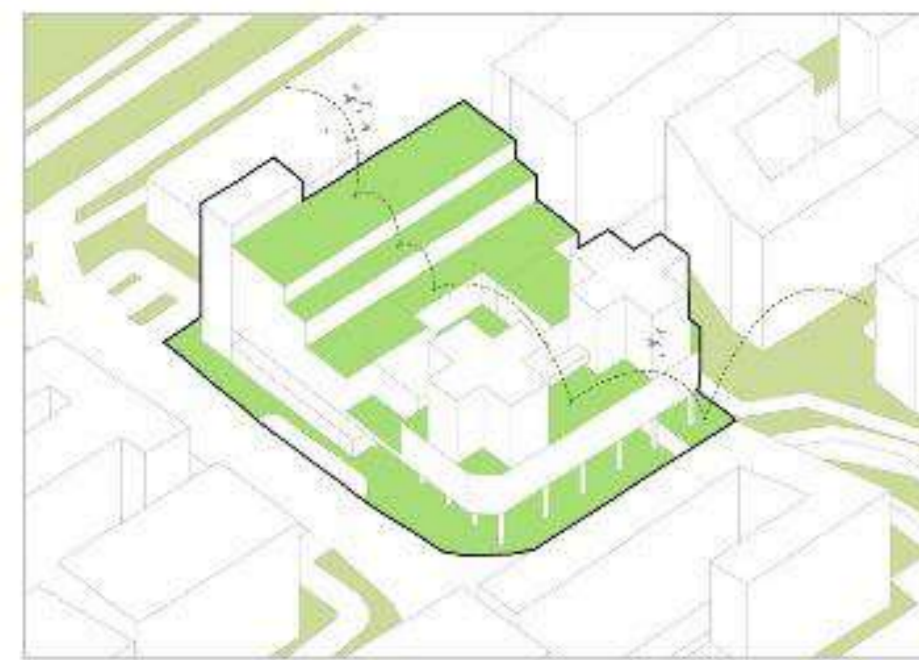
Moving to Central Business District of Singapore, Foster + Partners Architects designed South Beach Tower to become one of the iconic landmarks in Downtown area, adjacent to Esplanade and City Hall MRT station. It has three different parts of buildings with different functions: a 35-storey north tower for offices, 45-storey south tower for hotel and apartments, and podium as well as basement area which transformed to sunken plaza. The plaza opens for public and has commercial functions such as shops and restaurants.



Source: JDA Properties

Initially, Kampung Admiralty, Oasis Terraces, and South Beach tower has completed the construction in 2018, 2017, and 2016 respectively. Unlike the old buildings, the hybrid technological systems have been applied, aiming to increase the building performance without harming its surrounding. Following, we will analyse the building by system thinking: **green system, public space, water system, energy system, and food system** to understand how they are being integrated.

PARAMETERS		KAMPUNG ADMIRALTY	OASIS TERRACES	SOUTH BEACH TOWER
Location		Woodlands, North Singapore, adjacent to Admiralty MRT Station (Red line)	Punggol, North-East Singapore, adjacent to Oasis LRT Station	Downtown, South Singapore, adjacent to Esplanade MRT Station (Yellow line)
Functions and Facilities		Residential, parks, medical center, retail, restaurants, hawker center, public square	Retail, restaurants, community center, polyclinics	Residential, office, retails, restaurants, public square
Green System		-Cascading green -Vertical greenery	-Cascading green -Vertical greenery	-Sky gardens
Public Space		-Liberating ground floor -Multi-levels of public space	-Liberating ground floor -Continuous terrace and rooftop	-Liberating ground floor -Sky garden as semi-public space
Water System		-Rainwater harvesting -Rain garden -Bioswales filtration ponds	-Rainwater harvesting -Rain garden -Water wheel	-Rainwater harvesting
Energy System		-High ceiling and lots of openings -Solar panel on residential's rooftop -Hybrid cooling system	-Lots of openings -Large void -Solar panel on rooftop	-Passive design canopy and sky gardens -Solar panel on canopy -Motion sensors, air conditioning and heat exchange technology
Food System		-Community garden	-Extensive landscape for urban farming	-No data about food system



Green System.

Engaging nature and building scape, linking biodiversity networks.

“Green” plays a big role in a building located in tropical area as it helps in reducing the heat gain and improving air quality. If we look at Kampung Admiralty, it has a large greenery which can also be said as a park in a building. With cascading green roof and vertical greeneries, it achieves 1.1 green to site area ratio. Additionally, by having this large park, there are 19 bird species and 22 insect species have been found. Similar to Kampung Admiralty, Oasis Terraces also has green typology which cascades and slopes down. The landscape terrace serves as continuous connection and the whole green system protects biodiversity from waterway to rooftop. While Kampung Admiralty and Oasis Terraces are two medium-low-rise buildings, a high-rise building like South Beach Tower has different attempt to put the greenery. On the first half of the building, there are vertical green terraces, and by looking at the overall building, we can see that there are many pockets of greens which are sky gardens and locating on the 11th, 21st, and 33rd floors. All the greeneries in the buildings are believed to bring out the beauty of nature and to maintain the temperature and air quality.

Public Space.

Liberating the ground floor, multiplying community area.

Analyzing those three buildings through their public spaces, they all have same concept of public space which is to create the ground floor as independent as possible, meaning that it is free from walled area or even private area. The reason behind of liberating the ground floor is that each of the buildings is directly connected to transport hub like MRT and LRT stations. Their idea is to create the public space as a continuous way from coming out from the train to meet retails, food centers, and even living area. Except South Beach Tower, the public space strategy for the other two buildings is to multiply levels of community space for public use. Since Kampung Admiralty and Oasis Terraces are functioning as a whole public area, people can access all floors and experience the different typology of public spaces.

“I believe that Architecture is fundamentally a public space where people can gather and communicate, think about history, think about the lives of human beings, or the world.”

-Tadao Ando



Water System.

Recycling used water, harvesting the rainwater.

In terms of water saving, some buildings in Singapore have strategies to minimize the wastewater. Collecting the rainwater, filtering it, and using it for potable water is the most efficient way to do as Singapore is a country blessed with rains in uncertain time. In Kampung Admiralty, all rainwater is treated through series of swales and bio-filtration ponds, improving water quality before recycling for living needs and discharging to the channel. In Oasis Terraces, as the form is a “stair-like” form, the rainwater flows smoothly from up to down the river. Ms Agnes Sng pointed out that Oasis Terraces has several water saving features such as rain garden and water wheel that collect and treat rainwater which is then used to irrigate plants in the neighborhood center (The Strait Times, 2019). In high-rise building, rainwater harvesting is happening on the canopy or roof of the building. South Beach Tower use this strategy for irrigation system and for water features like pond in public space.

Energy System.

Simulating the sun path and wind flow, harnessing renewable energy

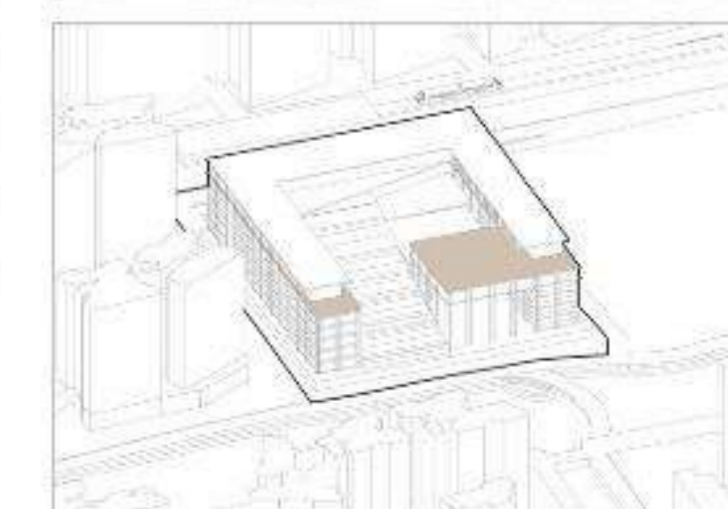
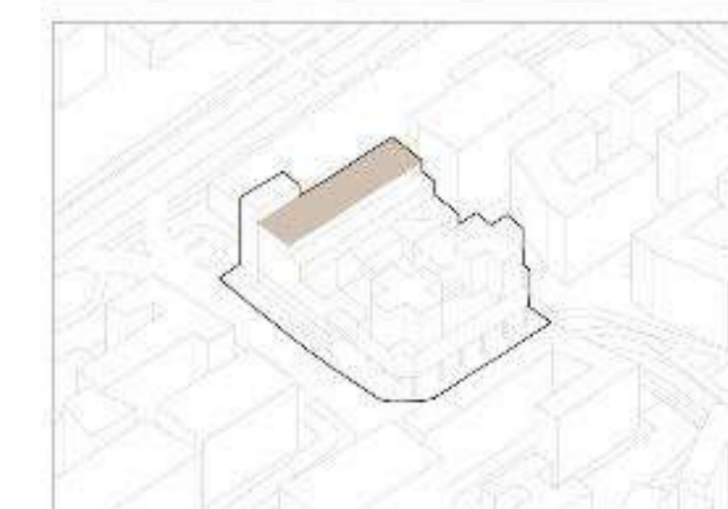
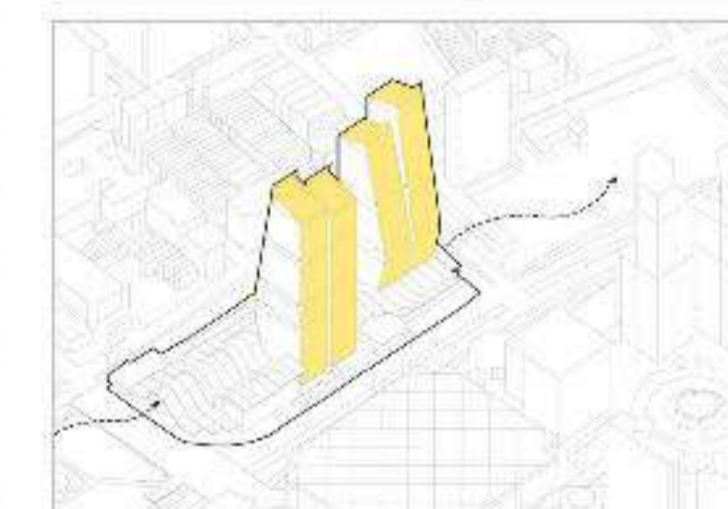
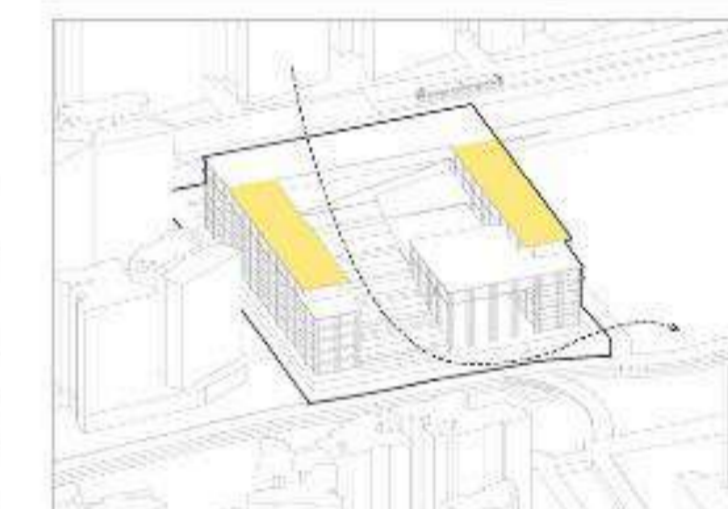
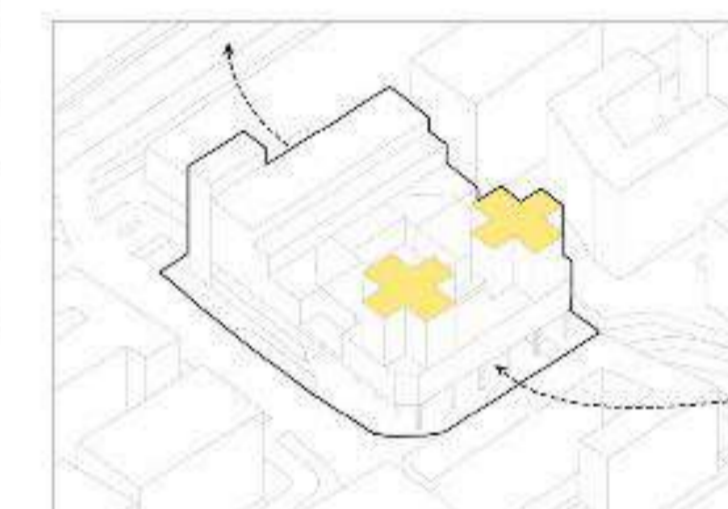
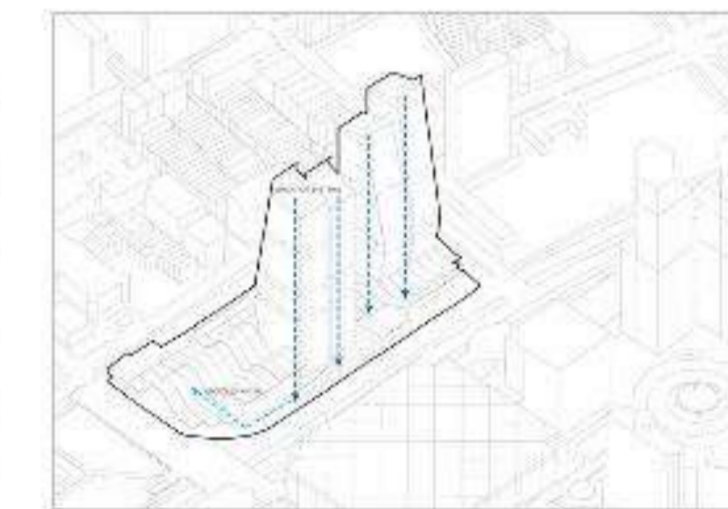
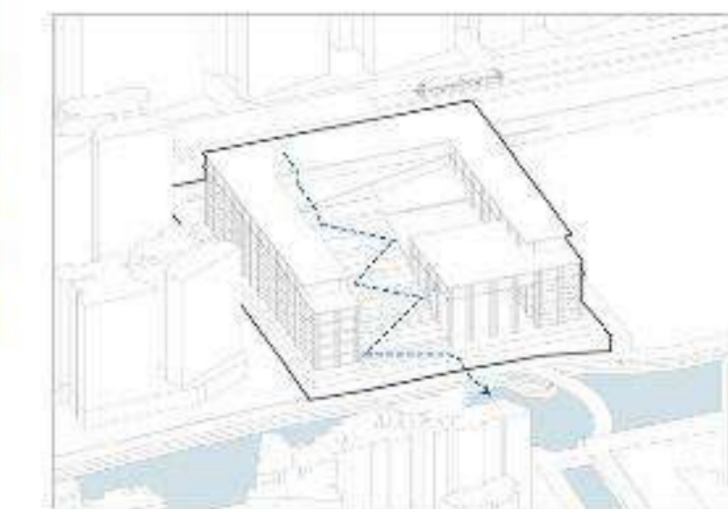
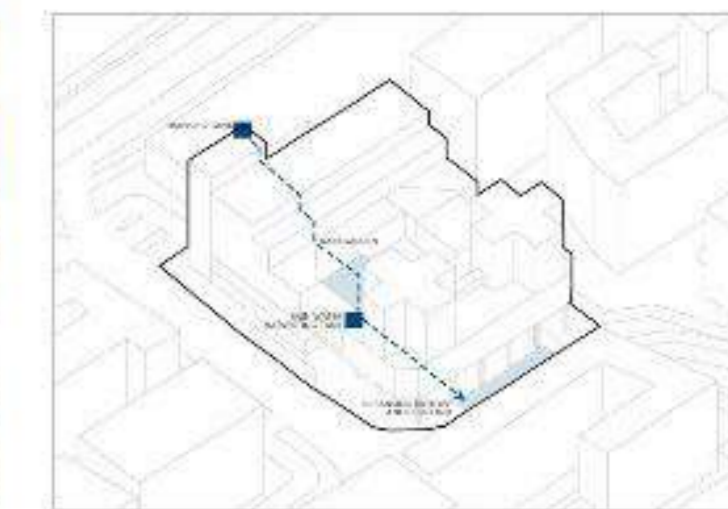
The strategy of passive design and active design is important to overall building performance. Looking closer to South Beach Tower with a curvy-shaped canopy, instead of creating the beauty, the main goal of creating that kind of form with full thought in the orientation is to let the natural fresh air breeze seamlessly together with skylights opening which emit the sunlight indirectly. This leads a good ventilation without having additional active design features like air-conditioner. This passive design strategy is also applied on another two buildings as well by having features such as high ceiling, open sky windows, louvre windows, and openness which allow daylight and breezes to permeate the building. Despite that, to save more energy use, most new buildings in Singapore have been installing solar panel to generate their own energy. Again, take example of South Beach Tower which has a hybrid solution of integrating the building with solar panel, they installed it on 280 meters spanning canopy. It is such a huge surface and it does serve the building's energy even though it is not overall energy usage.

Food System.

Growing a food garden, nourishing community bond.

Talking about food system, there are few buildings in Singapore which provide places for food to grow. One of the buildings is Kampung Admiralty where it has a community garden on the rooftop. The community garden is meant for community to grow their own plants and then use it as food ingredients together. People can enjoy the food without going to the market. Besides, by having community garden, the social relation will also be increasing as they able to communicate with each other. The other building which has similar strategy for food system is Oasis Terraces. There is an extensive landscaping on the center's roof. It incorporates planting beds that locals can use for urban farming.

Editor: Melisawati Susctyo, Yic Zhang, Yijun Lu, Pimavera Desta (MYDY Architects)



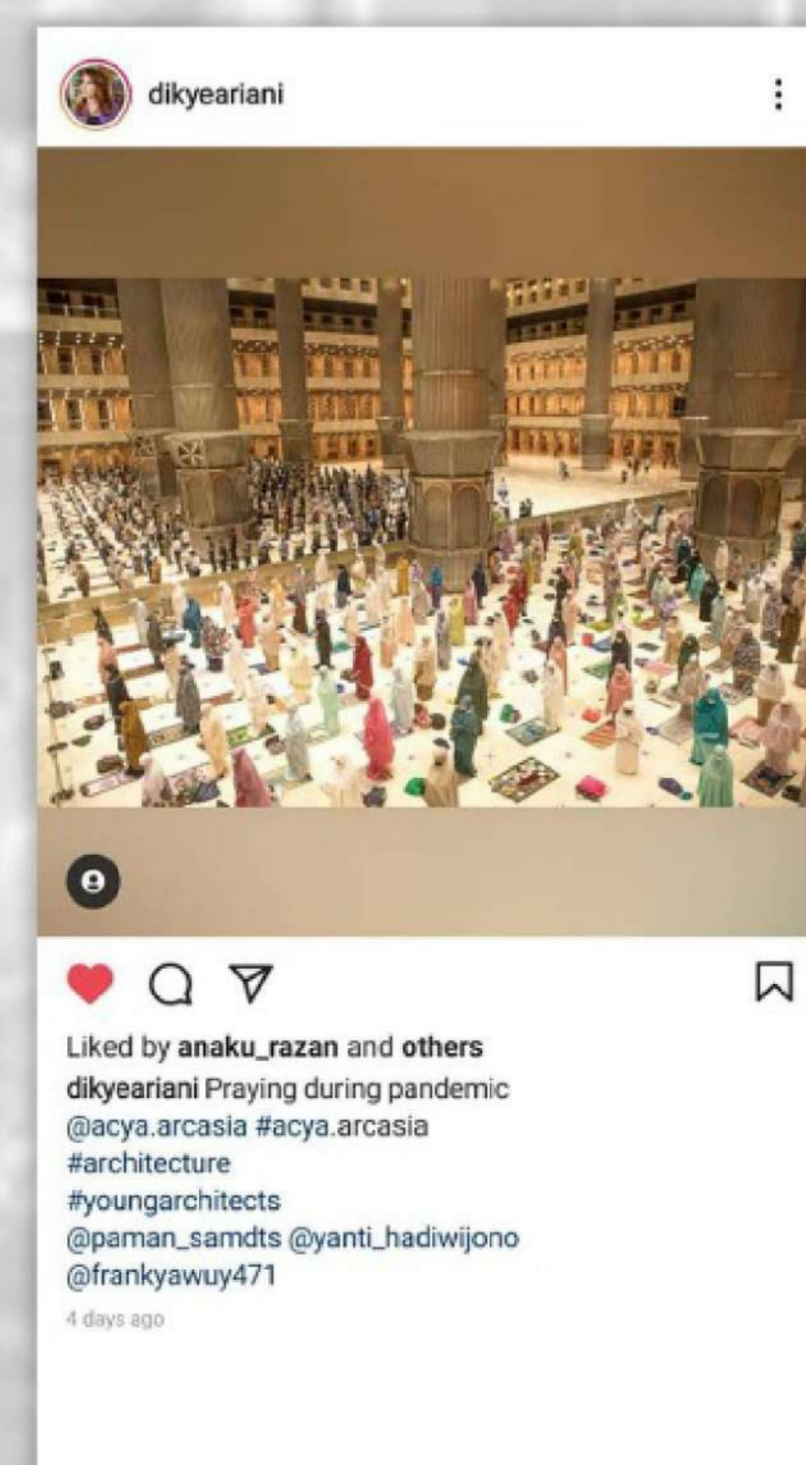
ARCHITECTURE X PANDEMIC

During this unprecedented time, many changes have happened to our daily routine. We as the Young Architects would like document this through postings on social media, especially Instagram to connect with others visually.

The Challenge // Take your best photo of something extraordinary you find in the realm of Architecture X Pandemic and post to your account with a strong message as caption



ACYA INSTAGRAM CHALLENGE 2021 WINNER ANNOUNCEMENT



Congratulation to all winners!

#Please send a Direct Message (DM) to us to confirm you data max 2x24 after this announcement
#We will guide you to claim the prize!





dikyeariani



WINNER



Liked by acya.arcasia and 16 others

dikyeariani Praying during pandemic
@acya.arcasia #acya.arcasia



thapa.bad_5



Liked by acya.arcasia and 90 others

thapa.bad_5 Little footsteps with a positive attitude ,following the protective measures and in order to safeguards everyones health .

Name : Sanjaya Thapa

Country : Nepal

profession : Student

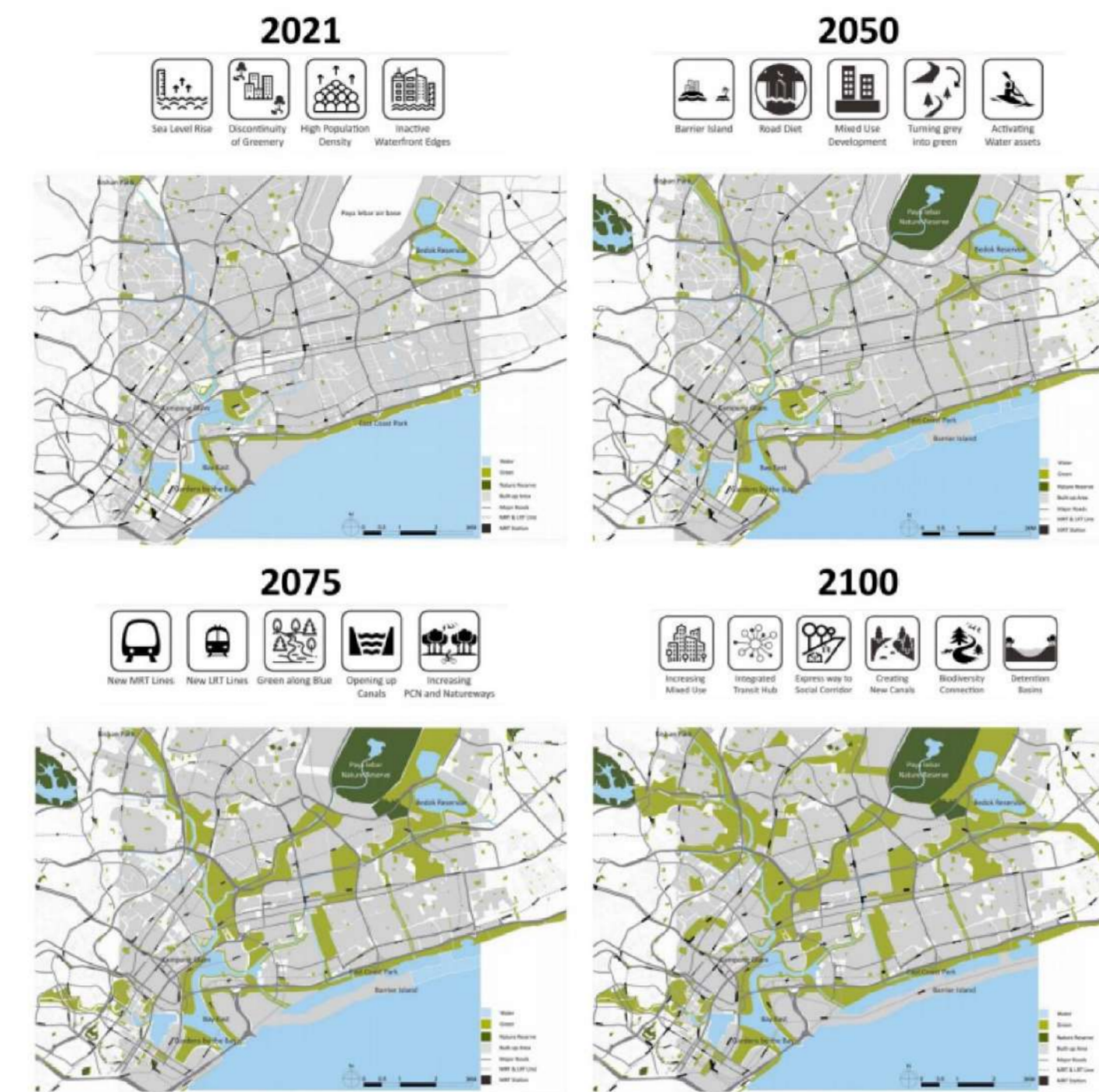
Calling for all Young Architects! Let's Save the World thru Our Designs!

"Hi, we are MYDY (Melisa-Yile-Desta-Yolanda) sustainable design gang! As young architects studying Integrated Sustainable Design in National University of Singapore (ISD NUS), we want to share what we learnt and the dreams we have for our future environment!"

Population of the world gradually increases which means more spaces for human settlement are needed. People are looking for the best quality of life and it could be even more difficult to be reached when 68% of the world's population are expected to inhabit urban areas (UN, 2021).

Converging on Asian context, many cities are struggling in creating equitable quality of life, especially when the average population density hovers between 20,000 and 30,000/sqkm (Kishnani, 2019). Birmingham-Hall (2016) stated through the book of WOHA's Garden City Mega City that the essential problems of unexpected and uncontrolled urban expansion such as water supply, sanitation, flooding, overcrowding, slums, air quality and transportation failure will be unavoidable. In addition, the world's fundamental issues such as climate change and global warming are contributing a lot in making it even more complicated. Engaging people with nature and altering the way we act to design as it is guided by nature is believed to be one of the solutions (Kishnani, 2019).

Growing up in the top 4 world's largest population countries which are also blessed with rich natural resources has been blind our eyes of what is really happening on this earth. Learning and living in Singapore for a while, going around and discussing with many sustainability design experts has opened our eyes wider about the problems we are facing now. We believe that architects should stand on the front line to stop damaging our environment, moreover regenerating it. Indeed, this is not as easy as we talk, however, first steps are always meaningful instead of nothing. Trained by experts through our study in ISD NUS, we did our best to find the best approach and solution through design both in building and urban scale. Here we want to share to all millennial and gen z architects about our ideas and visions, furthermore encourage you to always think of this for every design you do, other than only forms and visuals.



Imagining 10x10 sqkm of Singapore's South East Area

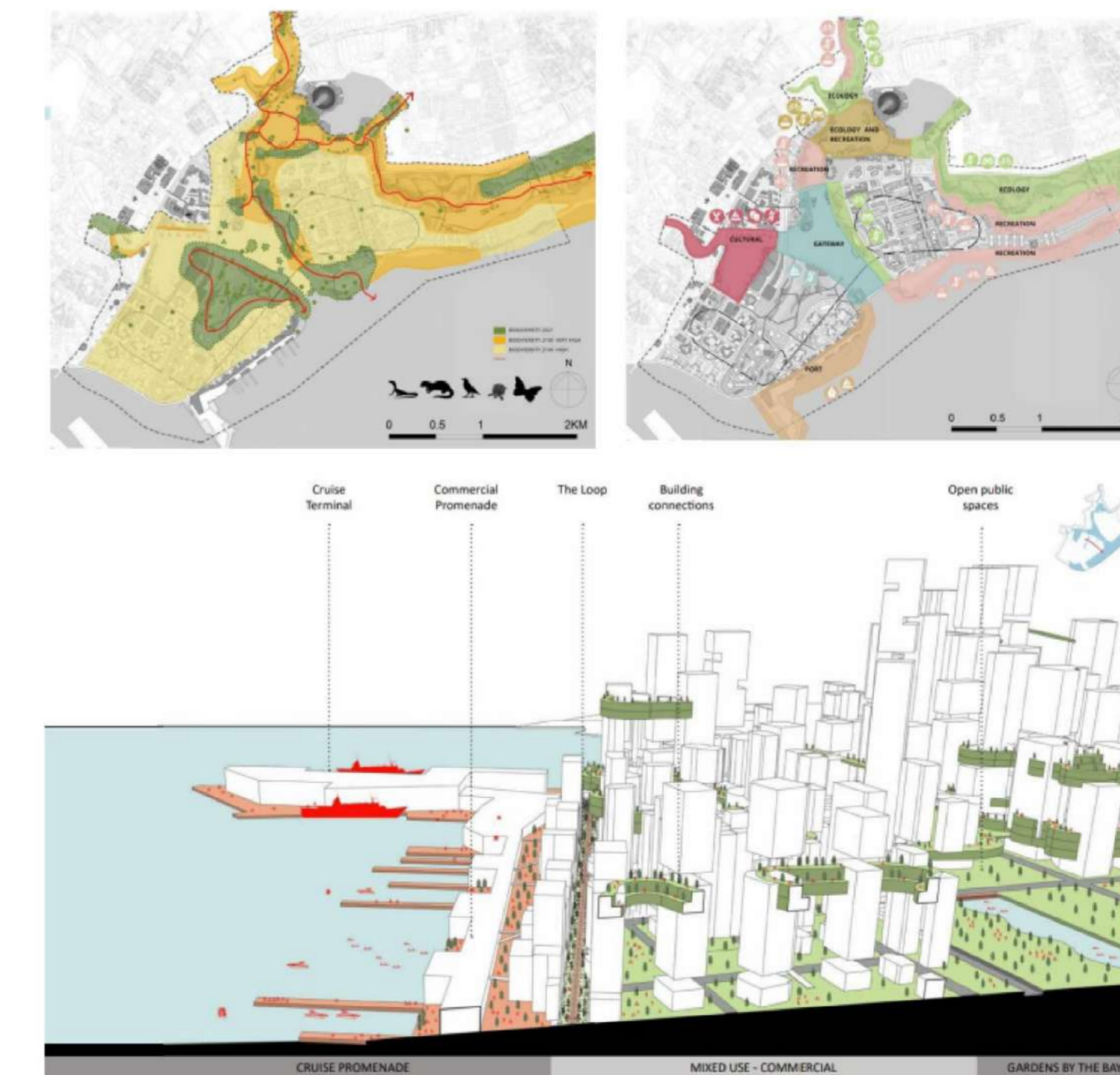


Imagining Singapore New Downtown in 2100: Marina



Imagining Singapore's Downtown in 2100

As a general brief, our design approach is to engage with nature through a grasp of systems thinking. Starting with urban scale, we decided to imagine and redesign Singapore's downtown area.



To create a liveable and equitable downtown, hybrid concept are inevitable, combining many functions in one structure including residential. System thinking are applied through design including Green, Energy, Water, Food, Public Space as well as Transportation which mostly autonomous.

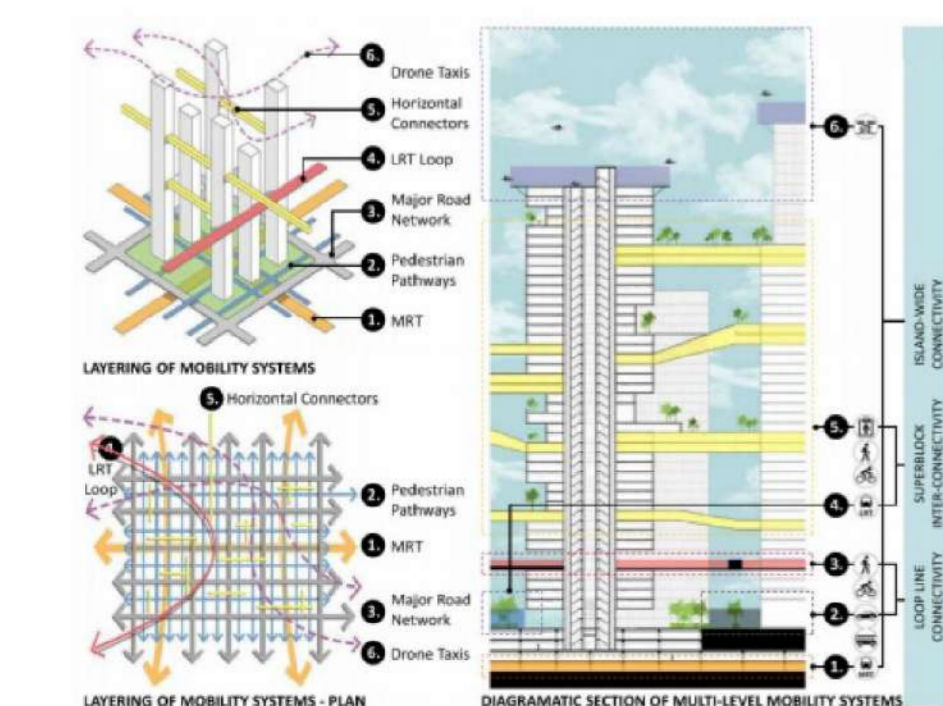


Residential Dominant Area

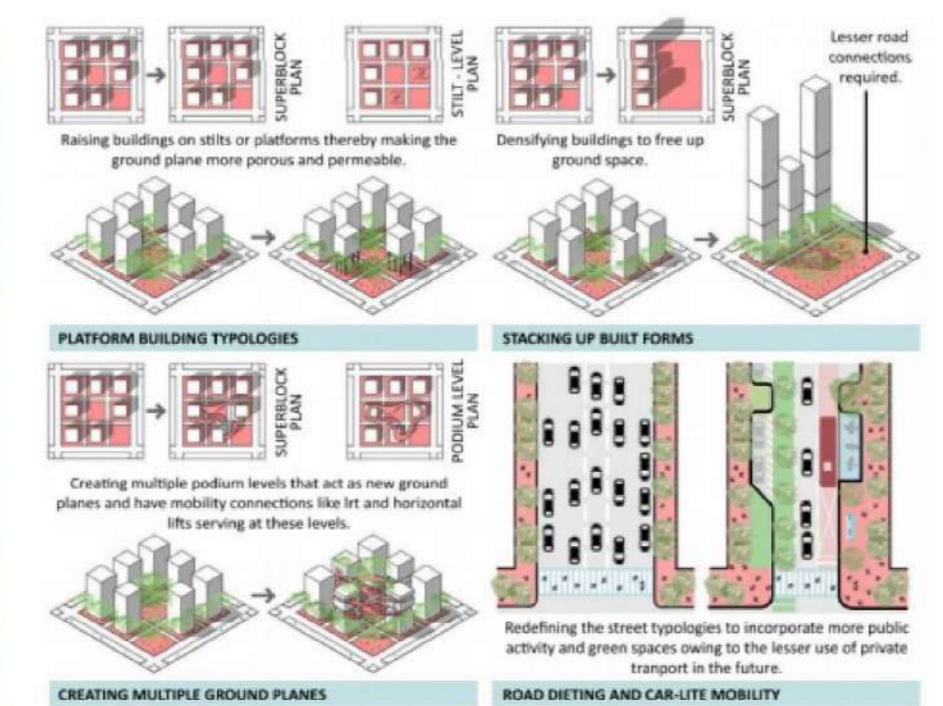


Recreational Dominant Zone

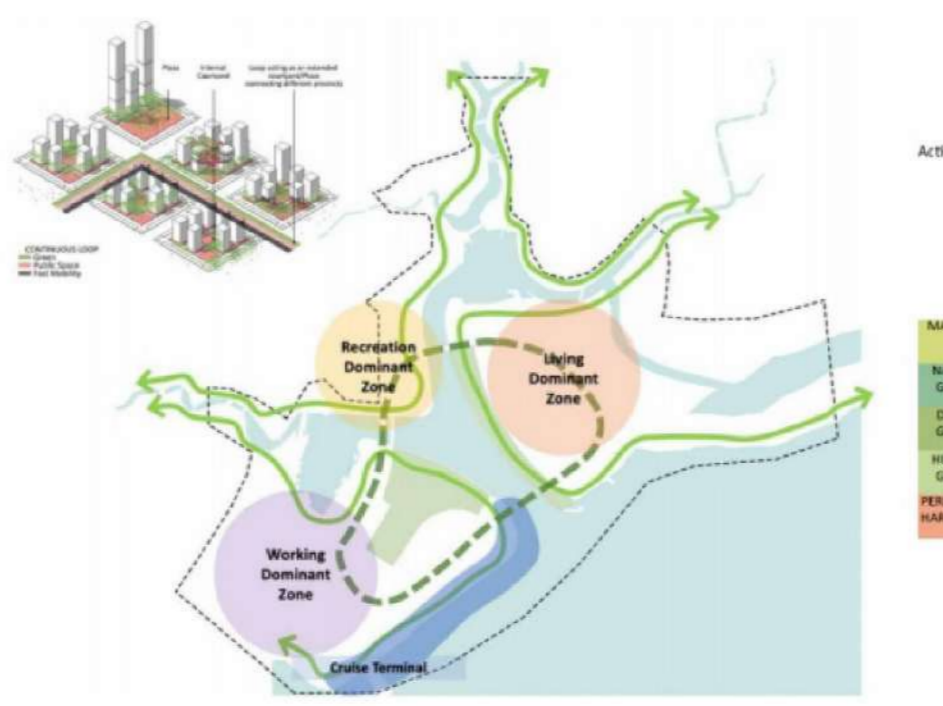
STRATEGY 1: Connect Mobility at Multiple Levels



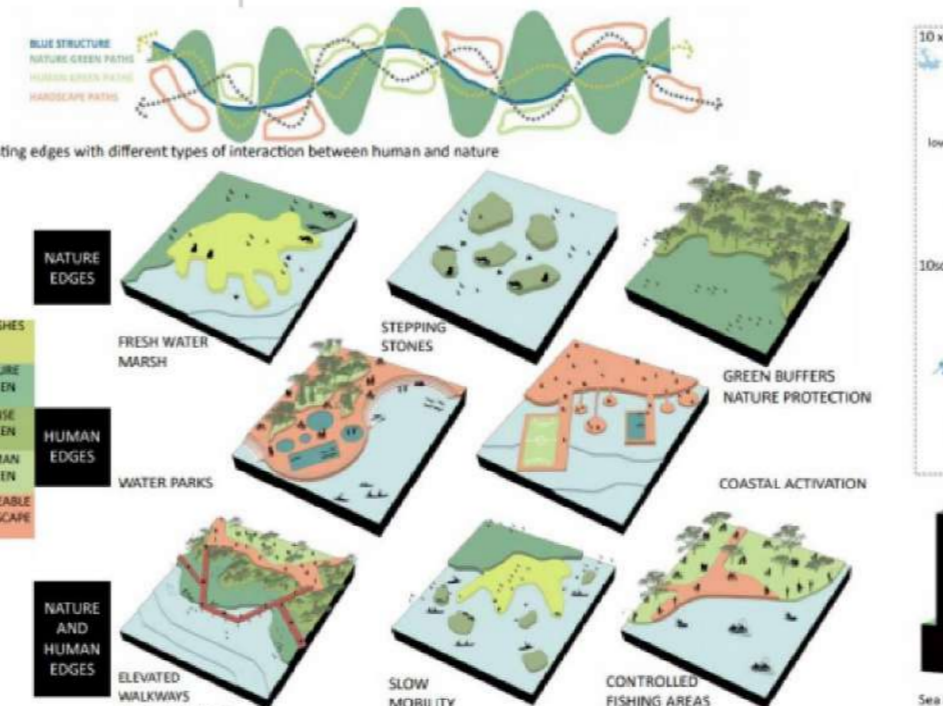
STRATEGY 2: Liberate the Ground Level



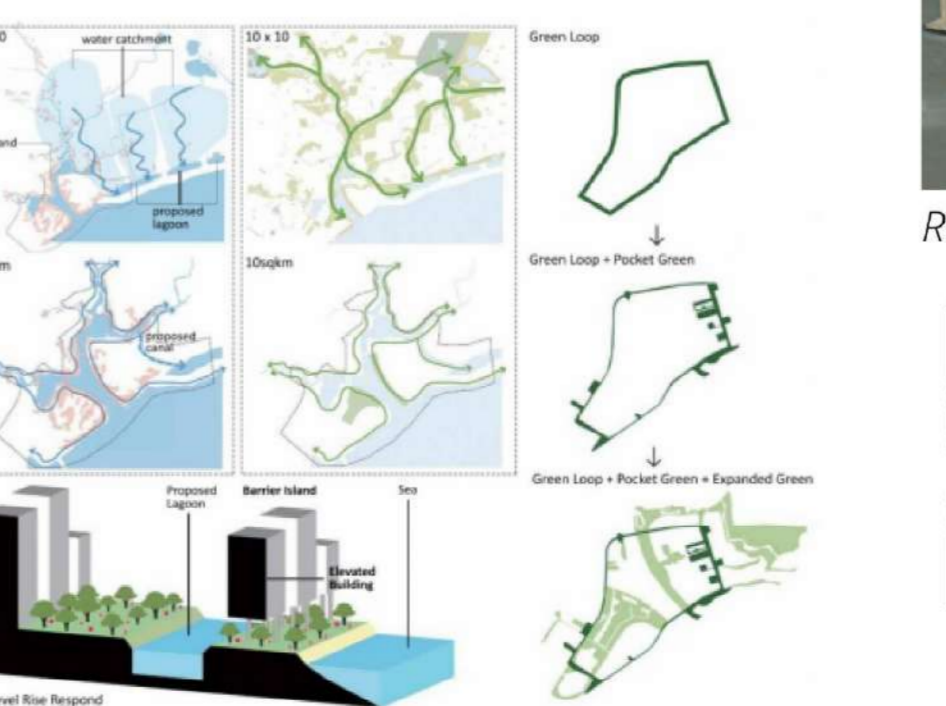
STRATEGY 3: Cluster and Synergies Precincts



STRATEGY 4: Create and Connect Diverse Waterfront Experience



STRATEGY 5: Expand Blue-Green Systems and Mitigate Climate Risk

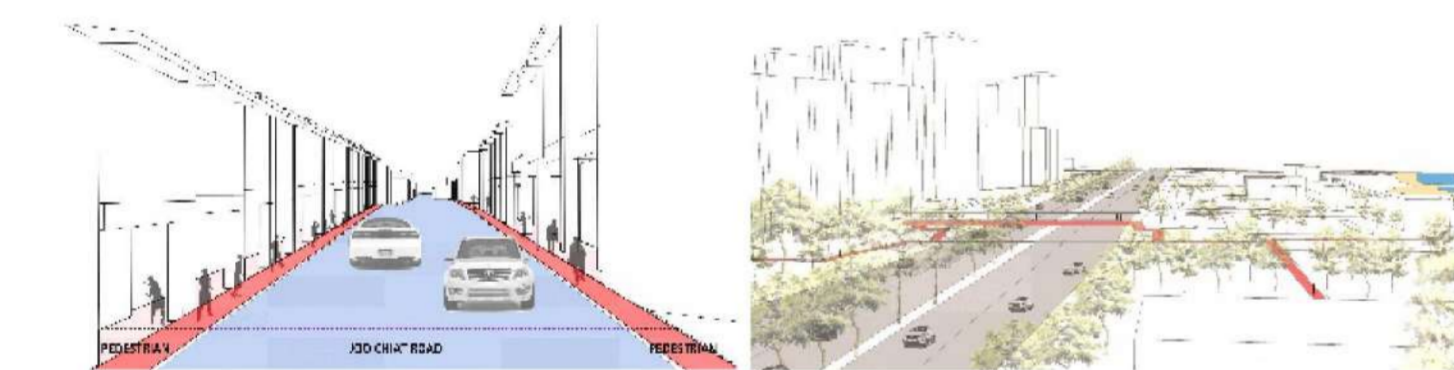


Written by Ar. Primavera Desta, IAI (Indonesia)
Acknowledgement:
 Prof. Wong Mun Summ (WOHA), Dr. Nirmal Kishnani,
 Dr. Swinal Samant, Leonard Ng (Ramboll)
 Other Group 3: Yile Zhang, Disha Shetty, Valeria Ortiz,
 Rituja Tadarwal, Akshita Sabarwal

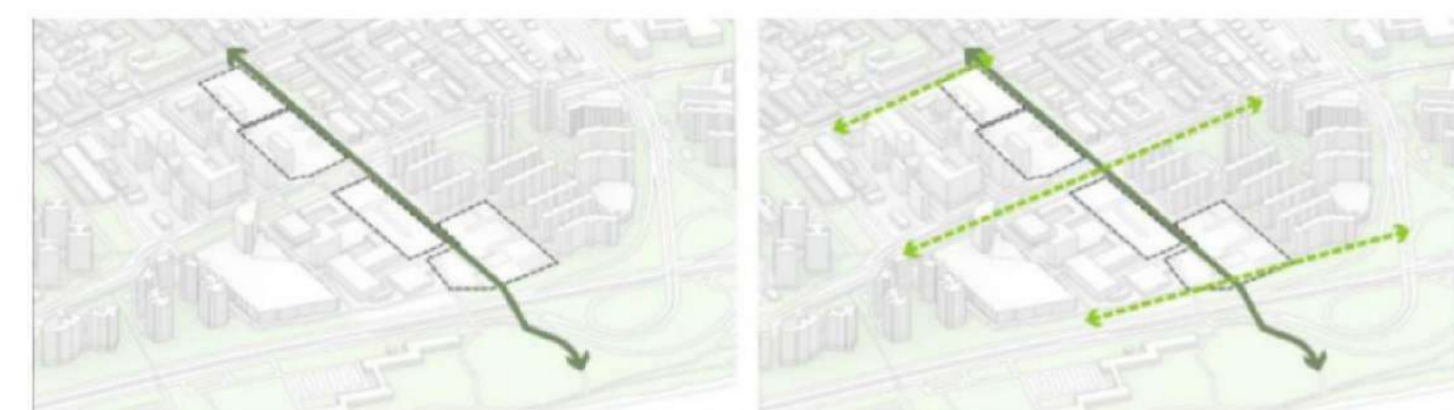
Expanding Public Space in building will never work without connecting it to the surrounding

The studio project are done by four people and begun with the problem analysis. There is no any smooth connectivity between Paya Lebar Quarter to East Coast Park which actually connected by impressive cultural street of Joo Chiat Road. The team decided to pedestrianized the street and connecting it with an elevated bridge of Katong Line (K-Line). Not stopping at connecting buildings only, K-Line works as a spine to extend the systems.

There is a possibility to connect residential area at with East Coast Park which separated by the Express Way...



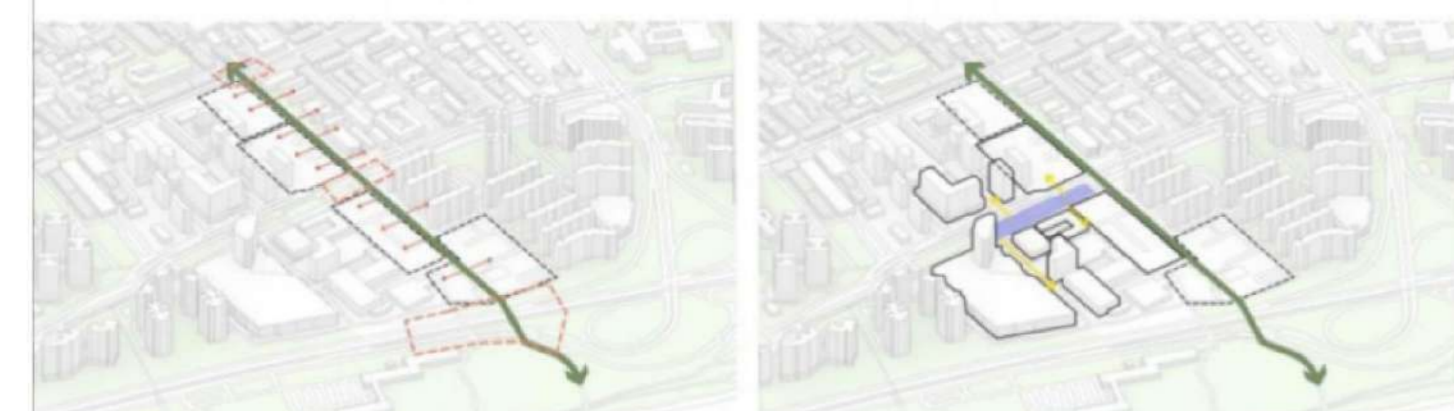
Imagining 10x10 sqkm of Singapore's South East Area



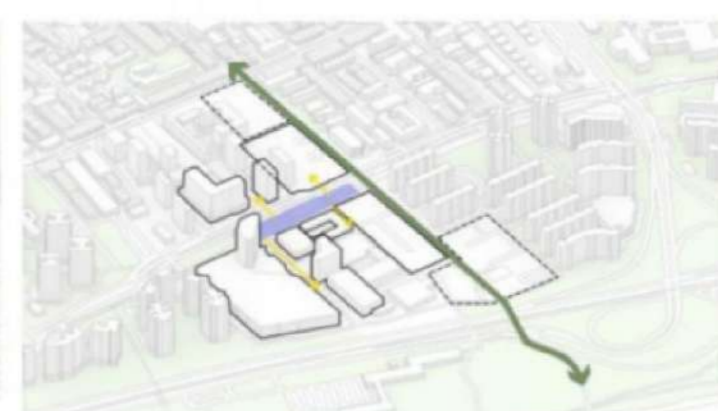
1 Connecting Joo Chiat Rd with East Coast Park



2 Bridging the green and bio-diversity



3 Connecting surrounding buildings by creating multiple access and bridging the junctions

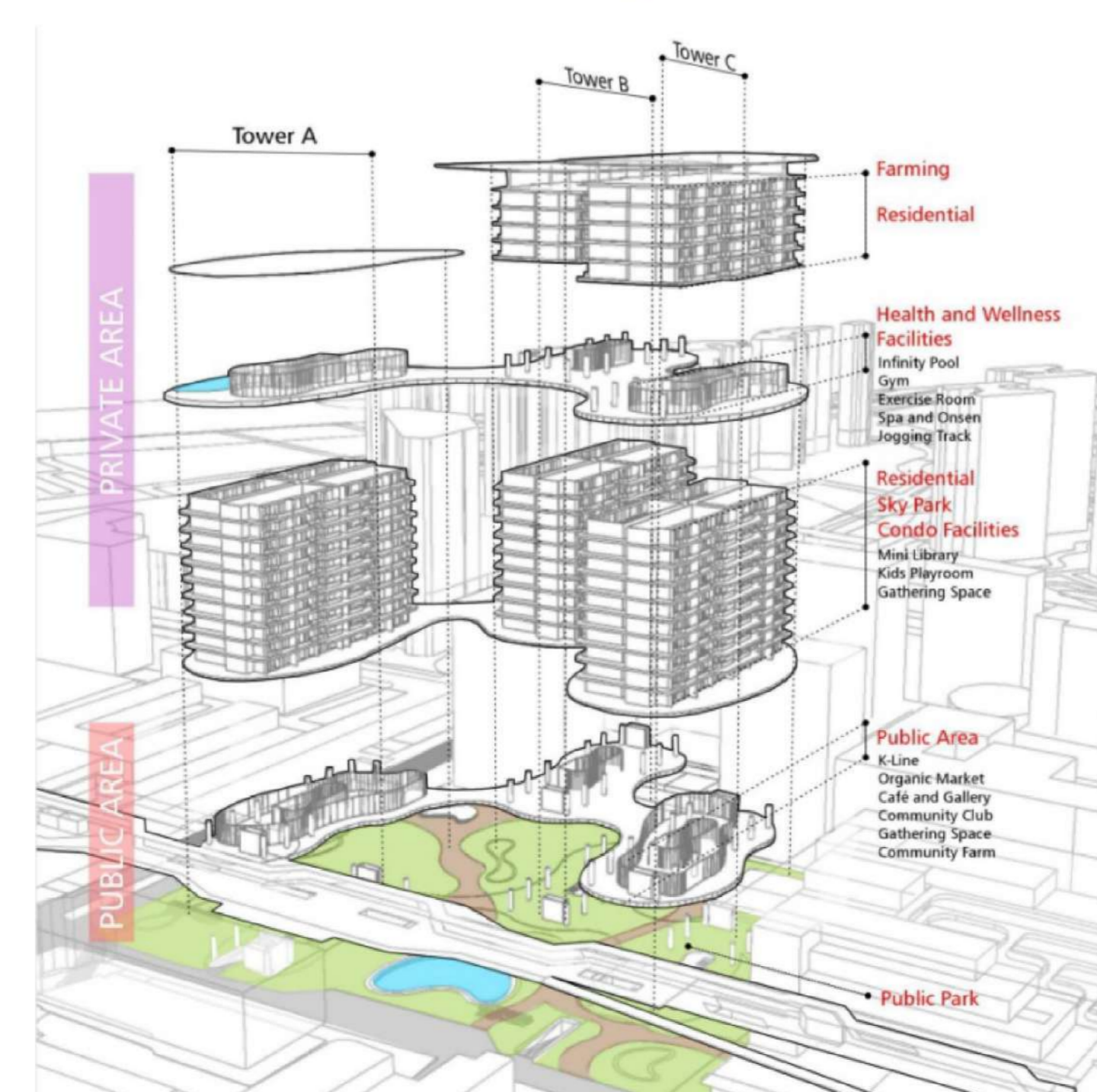


4 4 chosen buildings as to strengthen the systems' connection

Today's Joo Chiat Road is having very sparse greenery, moreover most of the road are for vehicles. The beauty of Joo Chiat's shop houses cannot be celebrated. Why don't we do the road diet and extend all the systems?



Allowing public to join the celebration of liberating ground level and giving it back to nature... That's what we think!

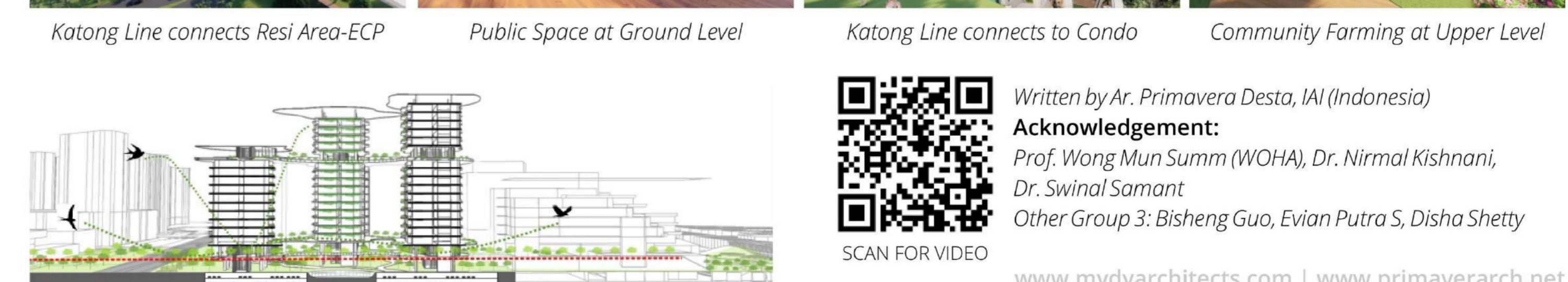
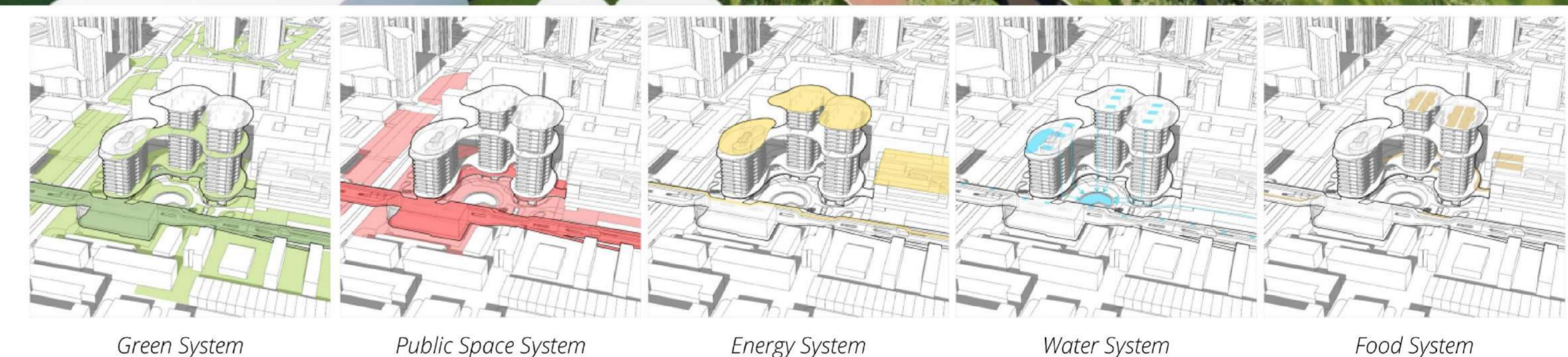


Redesigning condominiums at Joo Chiat Road, turn them into a hybrid while still facilitating residents' privacy

The condominiums are located across Church of Singapore, facing Joo Chiat Road and Marine Parade Road. With the ambition of having a self-sufficiency, the form is designed to follow systems. Expanding the public space and greenery at the same time, connecting it to K-Line and I12 Katong Mall. Creating water systems to optimally reuse the grey water, extending the roof as solar panel to produce energy, dedicated space at rooftop for farming are some strategies applied.



Visualization of New Condominium in Joo Chiat Road



Written by Ar. Primavera Desta, IAI (Indonesia)
Acknowledgement:
 Prof. Wong Mun Summ (WOHA), Dr. Nirmal Kishnani,
 Dr. Swinal Samant
 Other Group 3: Bisheng Guo, Evian Putra S, Disha Shetty

ASIAN YOUNG ARCHITECTS WEBINAR SERIES 2021 "THE FUTURE OF SUSTAINABILITY"

There is no way to wasting time in tackling climate change issues... For young architects, it's time to learn and contribute!

Initiated by some ACYA's members, a fresh idea of architecture webinar was held every Saturday from 19th June to 31st July 2021. Under the brand name of Asian Young Architects Webinar 2021, young architects and others gather together and discuss about "how to save our future". Seven young architects and professionals from other profession were giving their precious time to share their thoughts and experience.

Stepping up from the basic idea of climate change issues, speakers and participants were actively discussing and sharing about the sustainability strategies which are implemented in their country and more importantly is how to act, as young architects and professionals, to contribute in this movement, thus we can create a better future without thinking to move to other planets.

This webinar was a huge success during pandemic time, where young professionals are having a little bit more time to learn each other and get insightful information from discussing with some senior architects. The zoom meetings were always full capacity, thus some participants should attend the webinar through facebook live!

Session 1: 19th June 2021

- Speaker **Ar. Zannat Jui (Bangladesh)**
- Moderator **Ar. Primavera Desta, IAI (Indonesia)**
- Opening Speech **Ar. Ridha Razak (Malaysia)**

Zannat is a system thinker and sustainability strategist who is practicing in "SHATOTTO architecture of green living" as Head of Design. She talks mainly about *Architectural Practice in Sustainable Design*.

During the webinar, we learnt about how Bangladesh architects create beautiful designs for both human and biodiversity. She gave insightful project presentations which are implementing the system thinking.

Rewatch the webinar : <https://bit.ly/vidzannat>

Session 2: 26th June 2021

- Speaker **Ar. Disha Shetty (India/Singapore)**
- Moderator **Ar. Primavera Desta, IAI (Indonesia)**
- Opening Speech **Ar. Denny Setiawan, IAI (Indonesia)**

Having several years experience practicing urban design in Singapore, Disha shared many new information about tools and topics in sustainable urbanism from alternative renewable energy to the analysis software.

Rewatch the webinar : <https://bit.ly/viddisha>

Session 3: 3rd July 2021

- Speaker **Ar. Valeria Ortiz (Colombia)**
- Moderator **Ar. Primavera Desta, IAI (Indonesia)**
- Opening Speech **Ar. Nandaka Jayasinghe (Srilanka)**

Valeria brought us to Colombia and showed us her projects which implementing sustainable design from its passive design strategies, local materials to the greenery attached to them. Moreover, it is also about the government's regulation in terms of sustainability.

Rewatch the webinar : <https://bit.ly/vidvaleria>



Session 4: 10th July 2021

- Speaker **Nadya Arizka (Indonesia)**
- Moderator **Ar. Primavera Desta, IAI (Indonesia)**
- Opening Speech **Ar. Rebecca Vannesa (Philippines)**

Experienced as UX Designer, Nadya explained us about the role of UI/UX Designer as well as how her roles can also contribute to sustainability movement. She believes that every step matter.

Rewatch the webinar : <https://bit.ly/vidnadya>

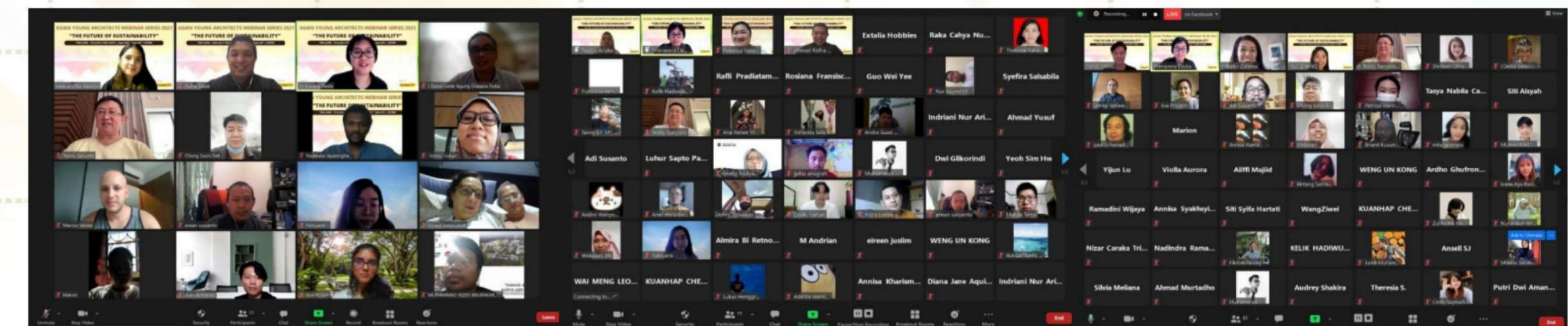
Session 5: 17th July 2021

- Speaker **Tsubasa Nakanishi (Japan)**
- Moderator **Ar. Primavera Desta, IAI (Indonesia)**
- Opening Speech **Ar. Bisma Ashkari (Pakistan)**

Tsubasa brought us to Japan from its very beginning to today's architecture. Unlike SEA countries where we can put greenery as one of strongest elements for sustainable design, in Japan, material reuse is one of the most important.

Rewatch the webinar : <https://bit.ly/vidtsubasa>

<p>19th June 2021</p>  <p>Ar. ZANNAT JUI (Bangladesh) SHATOTTO architecture for green living CHAPTER 01 Architectural Practice in Sustainable Design</p>	<p>26th June 2021</p>  <p>Ar. DISHA SHETTY (Singapore/India) Architecture and Planning in Asia CHAPTER 02 Tools and Topics in Sustainable Urbanism</p>	<p>3rd July 2021</p>  <p>Ar. VALERIA ORTIZ (Colombia) Alh Taller, Figue, Pomeroy Studio CHAPTER 03 Architect in Practice in Colombia</p>	<p>10th July 2021</p>  <p>NADYA ARIZKA (Indonesia) UX Designer CHAPTER 04 UI/UX Design in Practice</p>
<p>17th July 2021</p>  <p>TSUBASA NAKANISHI 中西翼 (Japan) Urban Designer CHAPTER 05 Architecture & Urban Design in Japan</p>	<p>24th July 2021</p>  <p>YANG YANG 杨洋 (China) Urban Planner and Landscape Designer CHAPTER 06 How to Integrate Sustainability in Chinese Architecture</p>	<p>31st July 2021</p>  <p>Ar. RIDHA RAZAK (Malaysia) Chairman of ACYA / Archipreneur CHAPTER 07 The Impact of Covid-19 on Architectural Profession</p>	
 <p>MAIN MODERATOR: Ar. Primavera Desta, IAI (Indonesia) Architect, CEO Extalia Hobbies M.Sc. Integrated Sustainable Design NUS</p>	 <p>MODERATOR: Ar. Sunnie S.Y. Lau (Architect / Slasher, Design Director of SOSArchitecture)</p>	 <p>MODERATOR: Yile Zhang 张以乐 (China) Candidate of M.Sc. ISD National University of Singapore</p>	



*As Young Professionals...
and As a Citizen of the Earth...*

WHAT WE CAN DO?

Session 6: 24th July 2021

- Speaker **Yang Yang (China)**
- Moderator **Yile Zhang (China), Ar. Primavera D, IAI**
- Opening Speech **Ar. Mikako Oshima (Japan)**

As a Chinese urban planner and landscape designer, Yang Yang showed how to integrate sustainability in Chinese aesthetics. He reminds us to always look at the history and culture, then synergize it with the sustainable design.

Rewatch the webinar : <https://bit.ly/vidyangyang>

Session 7: 31th July 2021

- Speaker **Ar. Ridha Razak (Malaysia)**
- Moderator **Ar. Sunnie S.Y. Lau (HongKong)**
- Opening Speech **Ar. Primavera Desta, IAI (Indonesia)**

The webinar series is closed by insightful presentation from ACYA's Chairman who discuss about architecture profession after pandemic as well as gave advices for young architects in building knowledge and good reputation.

Rewatch the webinar : <https://bit.ly/vidzannat>

"It is so grateful for having incredible supporters for this webinar: ACYA (Arcasia), Ikatan Arsitek Indonesia Yogyakarta Chapter, Yogyakarta Young Architect Forum, and Extalia Hobbies"

Written by *Ar. Primavera Desta, IAI (Indonesia)*



ARCASIA CROSS-COMMITTEE DIALOGUE SERIES

CONNECT 1.0 & 2.0

Under the guidance of President ARCASIA, Ar. Rita Soh, the 5 committees of ARCASIA came together for the ARCASIA Cross-Committee Dialogue, coined CONNECT. The aim of this combined session was to bring together the ACSR, ACAE, ACGSA, ACPP and ACYA Committees to COLLABORATE, COALESCE and CONVERSE collectively on a theme in architecture, with a view specific to their committee.

The two main themes decided for CONNECT were that of HERITAGE and DIGITALISATION.

The first of the penultimate online events by ARCASIA was focused on the theme of “Minding Our Heritage: How to Approach Conservation & Adaptive Reuse of Asia’s Built Heritage”. The committee representation and sub-themes were as follows;

ACSR - “Well-being - The Social Responsibility of Asia Architects” by Ar. Thomas Cheung (HKIA), ACAE - “Reimagining and Integrating Architecture Education” by President Elect, Dr. Abu Sayeed (IAB), ACGSA - “Sustainability and Resilience Through Heritage and Vernacular Vision” by Ar. Alice Leong (PAM), ACPP - “Reconstruction of the Past” by Ar. Anju Malla (SONA) and ACYA - “Innovative Integrations and Placemaking” by Chairman ACYA, Ar. Ridha Razak (PAM).

The second of the penultimate online events by ARCASIA was focused on the theme of “Embracing Digitalisation: How Architects Can Leverage New Technologies For Our Future”. The committee representation and sub-themes were as follows;

ACAE - “The Future of Design and A Life-Long Education” by Ar. Lim Choon Keang (SIA), ACSR - “The Way Forward” by Ar. Tony Wong (HKIA), ACPP - “Transition into New Visual Softwares” by Ar. Fujinuma Masura (JIA), ACGSA - “Wellness and Future Cities Resiliency” by Immediate Past Chairman ACYA, Ar. Tan Szue Hann (SIA) and ACYA - “Design Resiliency For Future Cities - How to Design For More Resilient, Equitable, High Performance Communities with Evolving Social Economic and Tecnological Conditions” by Ar. Sunnie Lau (HKIA).

Both sessions were moderated by Deputy Chair ACPP, Ar. Mukul Goyal (IIA).

THEME

MINDING OUR HERITAGE:
HOW TO APPROACH CONSERVATION &
ADAPTIVE REUSE OF ASIA’S BUILT HERITAGE

PANELLISTS

ACSR	ACAE	ACGSA	ACPP	ACYA
				
AR. THOMAS CHEUNG [HKIA]	DR. ABU SAYEED PRESIDENT ELECT ARCASIA [IAB]	AR. ALICE LEONG [PAM]	AR. ANJU MALLA [SONA]	AR. RIDHA RAZAK [PAM]
“WELL-BEING - THE SOCIAL RESPONSIBILITY OF ASIAN ARCHITECTS”	“REIMAGINING & INTEGRATING ARCHITECTURE EDUCATION”	“SUSTAINABILITY & RESILIENCE THROUGH HERITAGE & VERNACULAR WISDOM”	“RECONSTRUCTION OF THE PAST”	“INNOVATIVE INTEGRATIONS & PLACEMAKING”

THEME

EMBRACING DIGITALISATION:
HOW ARCHITECTS CAN LEVERAGE
NEW TECHNOLOGIES FOR OUR FUTURE

PANELLISTS

ACAE	ACSR	ACPP	ACGSA	ACYA
				
AR. LIM CHOON KEANG [SIA]	AR. TONY WONG [HKIA]	AR. FUJINUMA MASURA [JIA]	AR. TAN SZUE HANN [SIA]	AR. SUNNIE LAU [HKIA]
“THE FUTURE OF DESIGN & A LIFE-LONG EDUCATION”	“THE WAY FORWARD”	“TRANSITION INTO NEW VISUAL SOFTWARES”	“WELLNESS & FUTURE CITIES’ RESILIENCY”	“DESIGN RESILIENCY FOR FUTURE CITIES”

ASIAN E-SPORT CENTER DESIGN CHALLENGE



Competition site

COMPETITION BRIEF

eSports (also known as electronic sports) is a form of sport competition using video games. eSports often takes the form of organized, multiplayer video game competitions, particularly between professional players, individually or as teams.

Malaysian government has embraced the sport through Minister of Youth and Sports. Now that eSport has been recognized as a sport in the SEA Games, eSport players have become bona fide athletes. For the first time in Malaysia we are seeing private universities and colleges giving scholarships to eSport athletes. This development warrants the need for an eSport Purpose-Built Arena.

The venues where today's gaming competitions take place include everything from small ballrooms, to stadiums originally designed to host traditional live sporting or entertainment events.

However, eSport fans who attend gaming events in person instead of streaming them from home expect curated, immersive, and highly social experiences. As more purpose-built venues are constructed for eSports, there are significant opportunities for architects to shape the future of this industry. The new gaming venue must be integrated with suitable technology, immersive and have spatial flexibility to ensure it is future proof for the video games of today, tomorrow and the future.

STAGE 1 JURY

Category A Professionals & Graduates

Lead Jury



Ar. Yasmin
Rahman Director,
Praktika Architects



Ar. Shen Lam Fei
Principal, FEI Architect



Ar. Meor Naim
Principal, Meor.N Architect



Shamin Sharum
Partner, no-to-scale



Pamela Tan
Founder, Poh Sin Studio



Radzi Tajuddin
Co-Founder, Hi-Home



Ar. Alia Ahamad
Senior Lecturer,
Taylor's University



Dr. Najah Md. Alwi
Graduate Representative
on PAM Council



Salam & Firdaus
Directors,
GARISPXL.CO



Jowin Foo
Founder,
JFXA



Loke Hau Yee
Malaysia Architecture
Students Alliance

Category B Students

STAGE 2 JURY

Category A Professionals & Graduates



Ar. Rita Soh
ARCASIA President



Ar. Alice Leong
PAM Youth Chairman



Ar. Bisma Askari
ACYA Deputy Chairman
(Pakistan)



Ar. Zeth Ko
ACYA Representative
(Hong Kong)



Hazman Hassan
CEO, Kitamen



Hafiz Mohamad
Head of Building
Solutions, UAC Berhad



Ar. Adrianta Aziz
PAM Education
Chairman



Ar. Qhwarizmi Norhisham
ACYA Representative
(Malaysia)



Ar. Becca Rellosa
ACYA Representative
(Philippines)



Ar. Masud Rashid
ACYA Representative
(Bangladesh)



Muhammad Farouq
Communication Director,
Malaysia E-Sports
Federation (MESF)

Category B Students

COMPETITION MILESTONE

Competition Launch
26th June 2021

Registration Period
26th June 2021 - 15th July 2021

Competition Submission
24th July 2021 - 31st August 2021

Stage 1 - Judging (Top 12)
1st - 7th September 2021

Stage 2A - Judging (Top 5)
8th - 12th September 2021

Stage 2B - Final Presentation & Award Ceremony
18th September 2021

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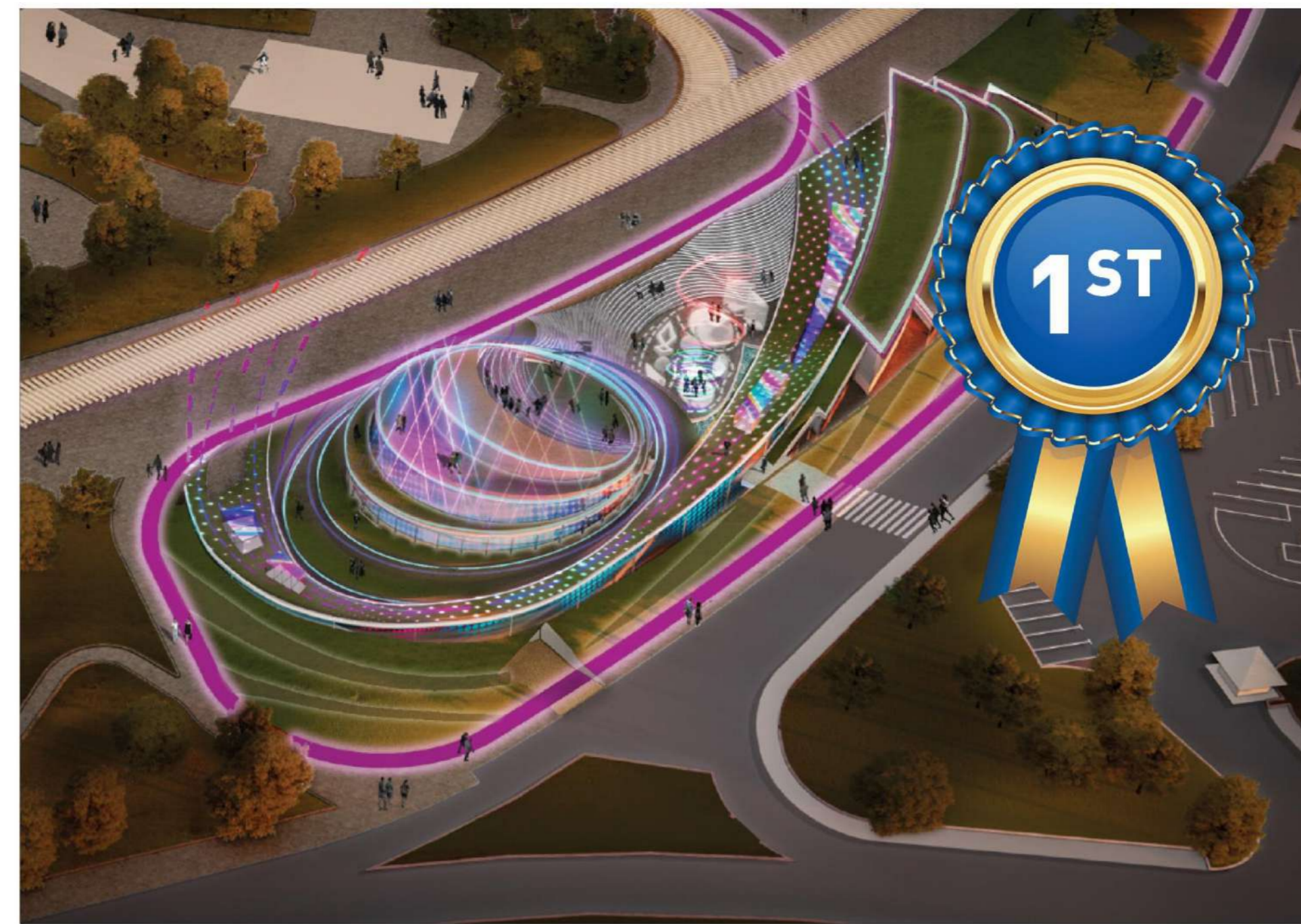
ORGANISED BY





CATEGORY A (PROFESSIONALS & GRADUATES) WINNERS

AR. CHAW BOON KIT
MOHAMMAD ZAKEE BIN ZAILAN
LIAN JIEK RUNUR
NADHIRAH BINTI ABDUL RAZAK
SHIRLEY SYN SEE BUI
CHRISTOPHER CHARLES BARKER



JACKY YONG KA YEIN
AFI BIN SIFUL ANUAR
DANIEL DIA LIK MING
OLIVER JONATHAN A/L M.GNANAPRAGASAM
JONATHAN WONGAIDA RUSYDA SAJALI
SAMUEL ESSES



AR. TS TAN KWON CHONG
LAM CHEE HAU
YEAP HUEI SZE
CELVIN CHOONG LI XIN
LOOI CHEE YONG
CHEN ZHE RUI



CATEGORY B (STUDENTS) WINNERS

KOAY YI HONG
LIM JING SHYANG
CHONG CHOON MENG
LIM ZHAN CHERN
CHIN YAO BO



Pixel E-Sport Arena Asian E-Sport Center Design Challenge

MUHAMMAD ARIB AFFAN BIN MOHD
HAMZAN



THE GREEN DOMAIN

RANJAKA KALHARA
HETTIARACHCHICHA
MUDITHA UWANPRIYA KORALAGE
SHIRAN SANDEEO WEERASINGHE
JAGADEESHA BANDARA PATHIRANA
CHATHURA MADUSANKA HENARAAN
MAYON RINSLEY DALUWATTA

ARCASIA ACA19, SHANGHAI



第19届亚洲建筑师大会
19th Asian Congress of Architects
Sharing & Regeneration
SHANGHAI 2021

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[Registration](#)

Sharing & Regeneration

Asian Congress of Architects 19

29 October — 2 November

Shanghai, China



The Future of Crypto & NFT for Architects, Designers & Creative Industries

Ar. Ridha Razak

Throughout the pandemic, the rapid adoption of digitalization by various stakeholders i.e. public, private and government has been widely enhanced and expedited. Now, since many places are on lockdowns & borders are close, the digital universe has become a borderless medium to communicate, exchange and interact without any physical & time barriers. The future trends of decentralizations is coming through digital markets and cryptocurrencies. Recently NFT has been the hype of the town giving hope to multiple industries in creative the new economy.

WHAT IS CRYPTOCURRENCY?

Cryptocurrency is a digital currency that only exists digitally. We can buy and sell things using cryptocurrency such as Bitcoin or Ethereum.

You can't touch me!

However, unlike conventional currency, cryptocurrency does not have any physical form such as dollar or gold.

Instead, cryptocurrency utilizes blockchain and P2P network to verify a secure and safe. Every cryptocurrency transaction will appear in the network of blockchain that can be accessed by anyone. Every 10 minutes, the network block of transaction will be chained to all the previous blocks.

To verify a crypto transaction, we need to follow a strict verification process. After sending a transaction, the receiver will verify it. The receiver will also verify the transaction. The receiver will also verify the transaction. The receiver will also verify the transaction.

This entire process is called mining. Mining can join the process of mining as long as they have a computer and internet connection. Through mining, the parties become harder and more convenient join in.

WHAT IS NFT?

NFT is a collectible digital asset that utilizes blockchain technology. NFT stands for Non-Fungible Tokens, which are unique and cannot be replaced by other tokens.

Non-fungible means something that's unique and cannot be replaced with something else. For example, if you have a gold coin, you can trade it for another gold coin. But if you have a rare NFT, you can't trade it for another NFT.

Token is NFT is the certificate of authenticity stored in blockchain. This token will act as an identifier for an original NFT. This token will also act as a guarantee to keep track of the history of ownership of a particular NFT.

Everything can be turned into an NFT, as long as it exists digitally. There are paintings, videos, articles and even tweets that are sold and purchased as NFTs. With NFT, people can officially own a digital asset for the purpose of collecting or investment, much like any other physical collector's item.

SO WHAT IS CRYPTO & NFT?

A cryptocurrency is a digital asset designed to work as a medium of exchange wherein individual coin ownership records are stored in a ledger existing in a form of computerized database using strong cryptography to secure transaction records, to control the creation of additional coins, and to verify the transfer of coin ownership. A non-fungible token (NFT) is a unit of data on a digital ledger called a blockchain, where each NFT can represent a unique digital item, and thus they are not interchangeable. NFTs can represent digital files such as art, audio, videos, items in video games and other forms of creative work. The NFTs can be bought on an NFT market such as open sea, variables and many more.

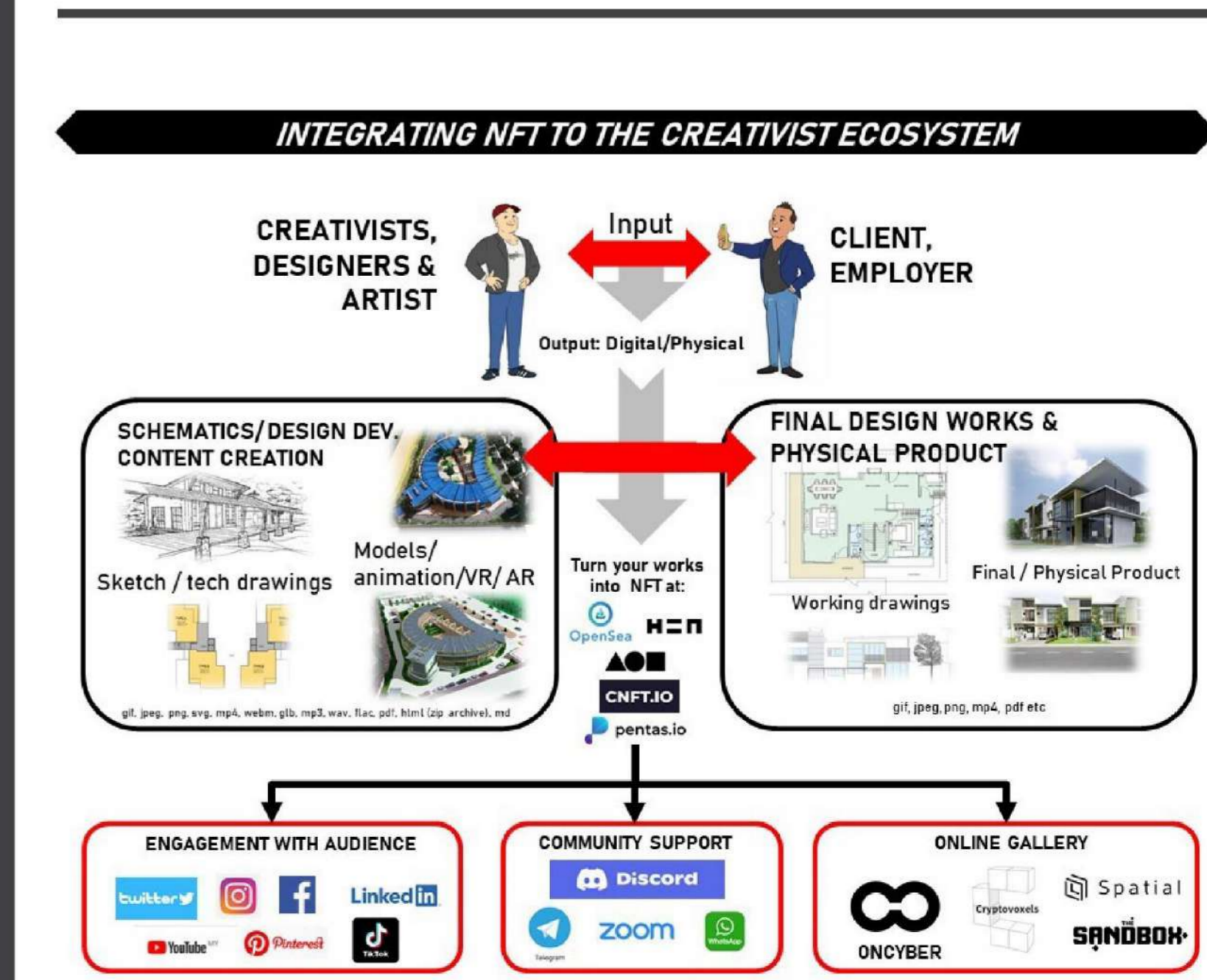
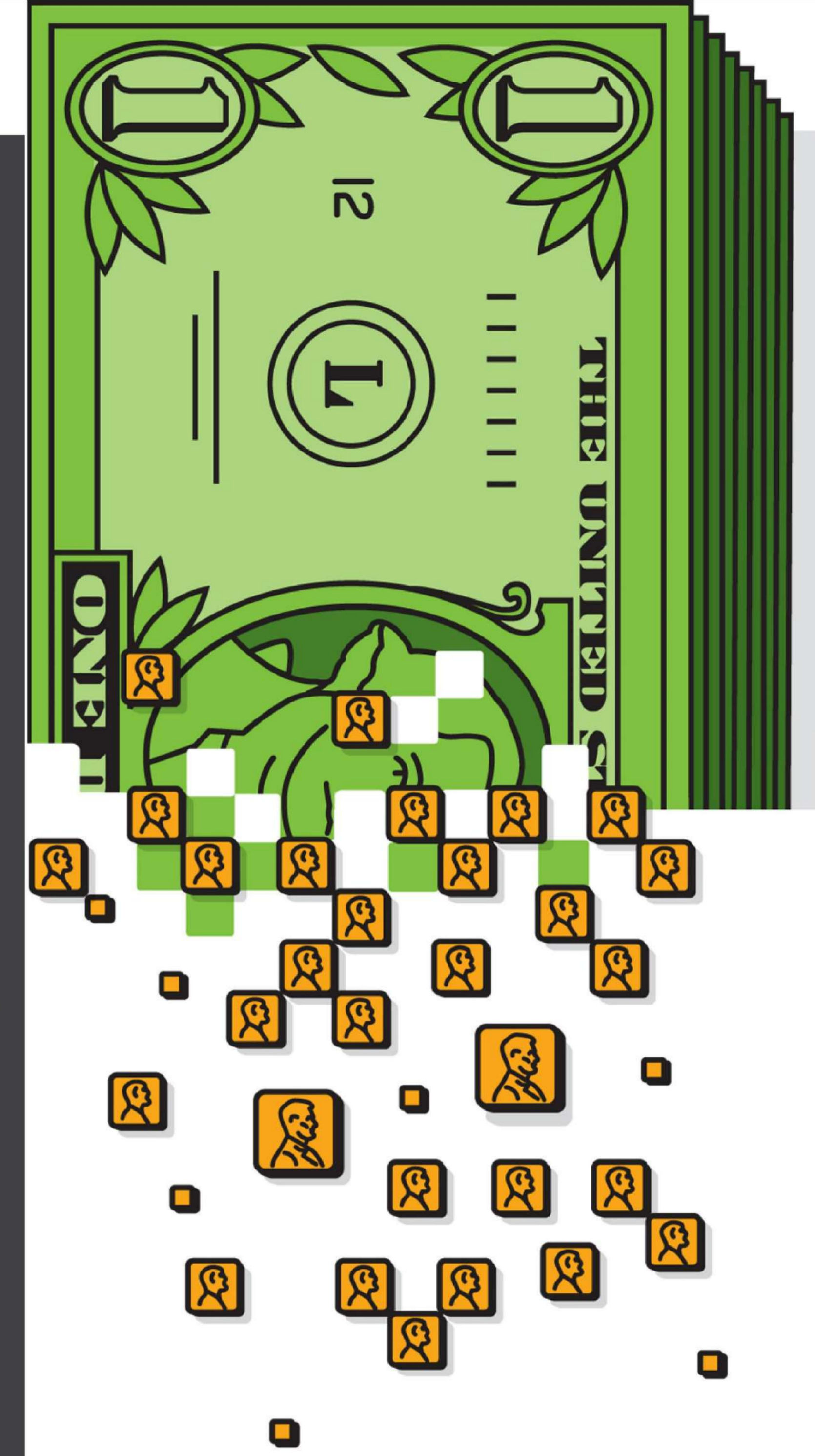
How can Crypto and NFT change creative industry?

With the increasing investors of crypto in the world population, top with the trending minting of art works on NFT, this will subsequently change how things will be done in the future. Lots of question arise as to how Designers and Architects can be part of this new change. There are many ways in being part of the new digital universe system. As simple as getting on any social media platforms to discuss and talk about it or to start the first move to purchase any crypto currency whether in a sanction or non-sanction crypto platforms. Crypto platforms such as luno, Tokenize. And Sinegy is slowly getting tractions of users in Malaysia while other trading platforms such as Binance, coinbase, kraken, robinhood, kukoin, huobi & gemini are popular at the world stage. For NFT, among my favorites to mint/buy is at either opensea, foundation, hicc et nun and of course Pentas.io.

So how can crypto and NFT change the creative industry or design profession?

There are many angles to it but basically in the nutshell, it will change the social, environment and economics of how things work in future. Everything now can be valued to all and be exchangeable at any time. I foresee 2 types of values will increase. The product value and the service value within digital world to support the physical world. Among the changes are Increase value in Product ie content NFT of vector, raster, docs, sound, & videos. You will also see an Increase value in services through the evolution of new types of e-commerce platforms such as digital freelancing portals, digital service marketplace and of course new type of digital NFT management jobs.

In conclusion, Architects can now start to look into NFT and integrate it in their business through minting past project and set up virtual gallery, diversification with 3d asset, consultancy on 3d services, research papers as unlock-able materials etc. They can also integrate with their basic services during schematic design by minting concept works, during design development by minting approve plans, during contract documentation by minting your awarded contract document, during implementation minting special details and of course post complementation by minting architectural photograph of the work. With the rise of blockchain technology, the use case of crypto currency and NFT will be really relevant to the Architectural industry and that unless Architect adopt these technologies we will always be left behind from other industries. So why wait and join the bandwagon.



the way forward



First and foremost I would like to thank ARCASIA in believing in me to shoulder the responsibility of becoming the Chair for the ARCASIA Committee on Young Architects (ACYA) 2022 - 2023, to further the vision while raising the high standards set by the previous ACYA Chairmen.

Since its inception in 2015, under the leadership of previous past Chairman Ar. Fawad Suhail Abbasi and Ar. Tan Szue Hann respectively, the committee focused on the promotion of ARCASIA leadership development for Young Architects; providing platforms for networking, exchange of ideas and to develop programs that encourage participation of young architects. ACYA also aims to facilitate and allow members countries in the process of establishing Young Architects framework in their respective countries to gain leverage from the experience of those who have an established process in place.

During Ar. Ridha Razak's 3-year term as Chairman ACYA, the committee and its vision has grown leaps and bounds; despite the hindrance of the global pandemic, which forced us to pause, reflect and rewire as humans, as architects and as ACYA. We learnt how to be more resilient yet adaptable, using technology to our benefit, all while rethinking the future of architecture and where we currently stand. We realised, a complete hardset / rewiring was required for how the field of architecture and the role of the architect needs to adapt and become a hybrid one, constantly aided by technology, which is the game changer for the role of the architect in the coming years. With the rapid change of new normal, new uncharted territories are coming such as NFT and block-chain which will change our future.

This mindset of resiliency, adaptability, interdisciplinary hybridity of tradition and innovation, coalesced with technology is the vision for the future Young Architects, hence in my term, the ACYA committee would be focused on the **“Synthesis of Change and Continuity For The Evolution of Young Architects In The New Normal and Beyond”**.

I hope that in my term as ACYA Chairman, I will receive your support to take ACYA to greater heights with various new activities that will create platforms and creative practice solutions to help the Young Architects to propel themselves in the new normal and beyond.

Ar. Bisma Askari
Deputy Chairman ACYA

2022

W E L C O M E S

the new chapter of...

ACÿA

focusing on the synthesis of
change & continuity for the
evolution of young architects
in the 'new normal' & beyond...

RESILIENCY



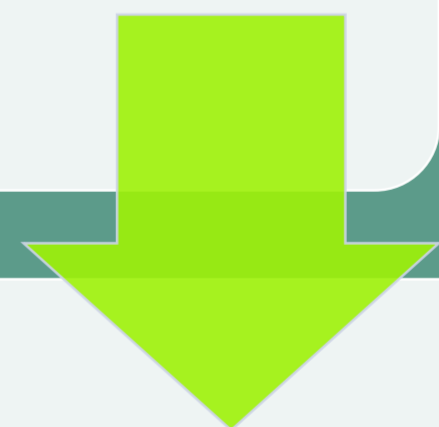
ADAPTABILITY



**INTERDISCIPLINARY
HYBRIDITY**



DIVERSITY



SUSTAINABILITY

leadership // mentorship // collaboration //
diversification // archi-preneurship //
hybridity // heritage // cross-border //
technology // digitization // blockchain //
nft // metaverse & much more...

...for a multi-faceted, adaptable & sustainable
approach to architecture beyond the
'new normal'

stay tuned.