



V⁺ Agritech

Circular Agriculture, for a Sustainable Future!



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Welcome Journalists from 2022 International Trade Fellowship!

International Trade Training



John Amari
Global Finance Magazine



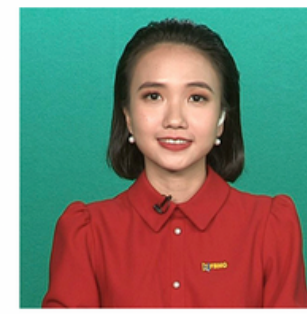
Maria Anneke
CNBC Indonesia



Jon Viktor Cabuenas
GMA News Online



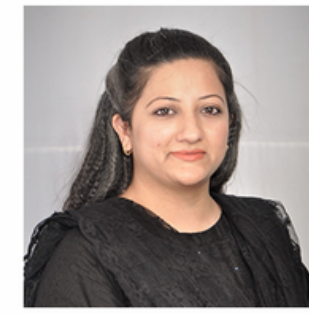
Muhammad Daud Khan
Pakhtunkhwa Radio



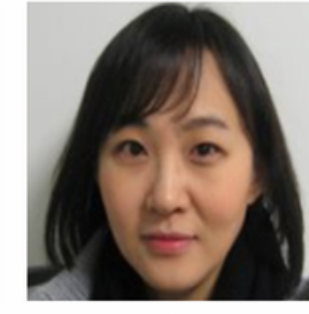
Minh Thu Ha
FBNC VietNam



Claire Jiao
Bloomberg



Saman Khan
Voice of America



Heejin Kim
Bloomberg



Prem Kumar
Nikkei Asia



Kimberly Lim
TodayOnline



Doulot Akter Mala
The Financial Express



Shadab Nazmi
BBC News



Krutika Pathi
The Associated Press



Shakoor Rather
Press Trust of India



Rukshana Rizwie
Sri Lanka Guardian & Lanka Courier



Ramon Royandoyan
Philstar Online



Ramu Sapkota
Himal Media



Shruti Srivastava
Bloomberg



Su-Lin Tan
CNBC



Martha Ruth Thertina
Katadata.co.id



Ben Westcott
Bloomberg



Stella Xie
The Wall Street Journal



Taufiq Zalizan
TodayOnline, Mediacorp News



Li You
The New York Times





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Meet Our Expert Team

Between us, we have the expertise of a tech professor, a furniture businessman and a military veteran. Combine our innovative spirit, resourcefulness & disciplined execution with our passion to bring circular agriculture to the world, we aspire to 'move the needle' and build a more sustainable future.



Nelson Tan

"Techie Farmer"
CEO / Co-Founder
Product Dev



William Foo

"Happy Farmer"
Co-Founder
Ops & Log

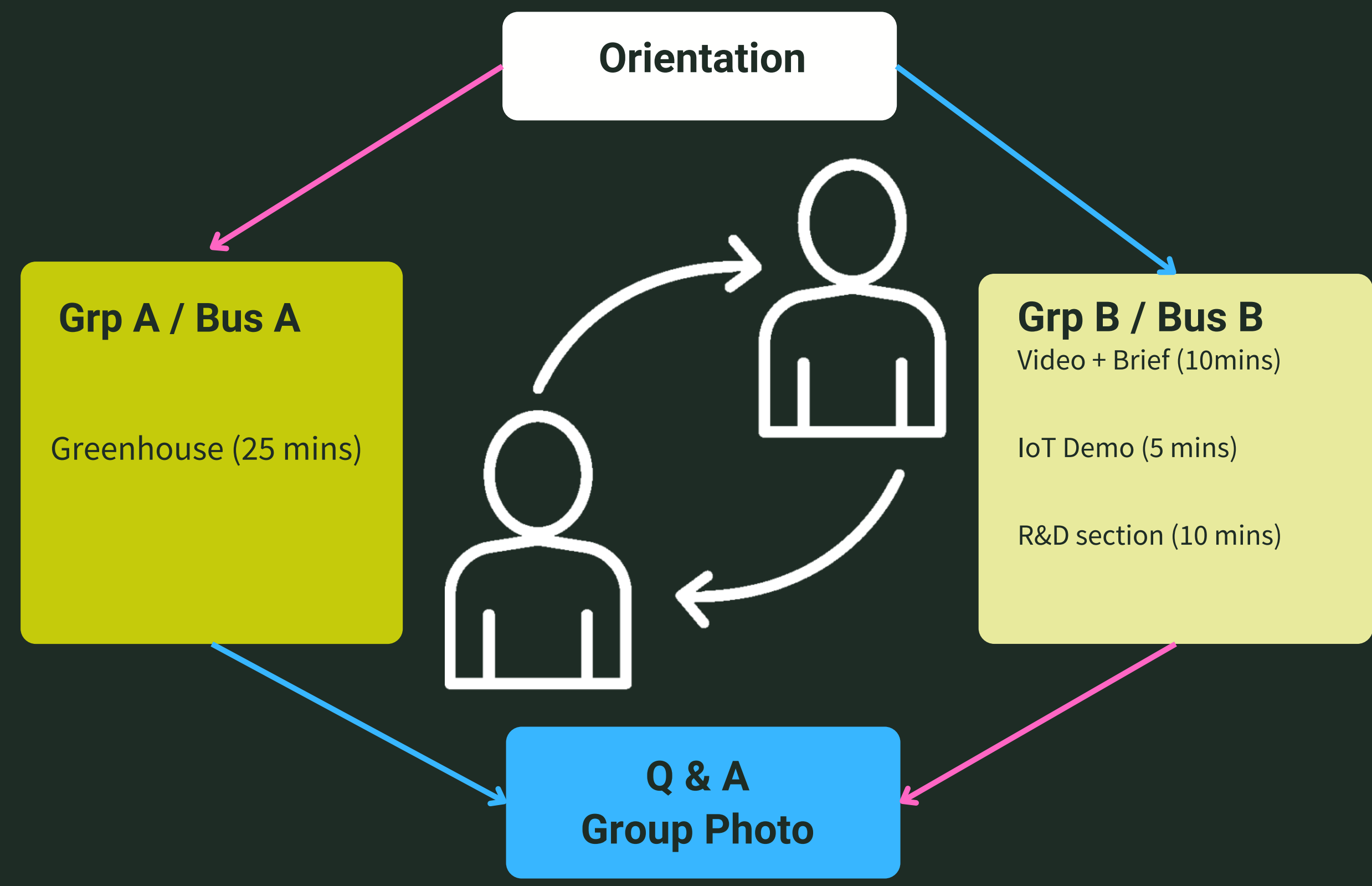


James Yin

"Greenie Farmer"
Founding Member
Biz Dev, Sustainability, PR



VISIT PROGRAMME





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Circular Agriculture, for a Sustainable Future!



Asean needs to prepare for greater weather extremes and food price spikes: Study

The Straits Times, 27 Jun 2022

“South-east Asia is getting wetter and warmer, particularly in the last decade compared to the previous two.

“And the frequency of extreme weather events is becoming greater,” Mr Tom Rogers, Oxford Economics’ head of macroeconomic consulting for Asia, said in the webinar on the report which was released in March.

Oxford Economics estimated that the cost of producing food could go up by as much as 80 per cent in countries such as Indonesia by 2050, as governments implement measures aimed at achieving net-zero emissions.

Oxford Economics recommends that governments support farmers in adopting measures such as solar panels and the conversion of food waste to energy, which would make them less reliant on electricity from the grid.





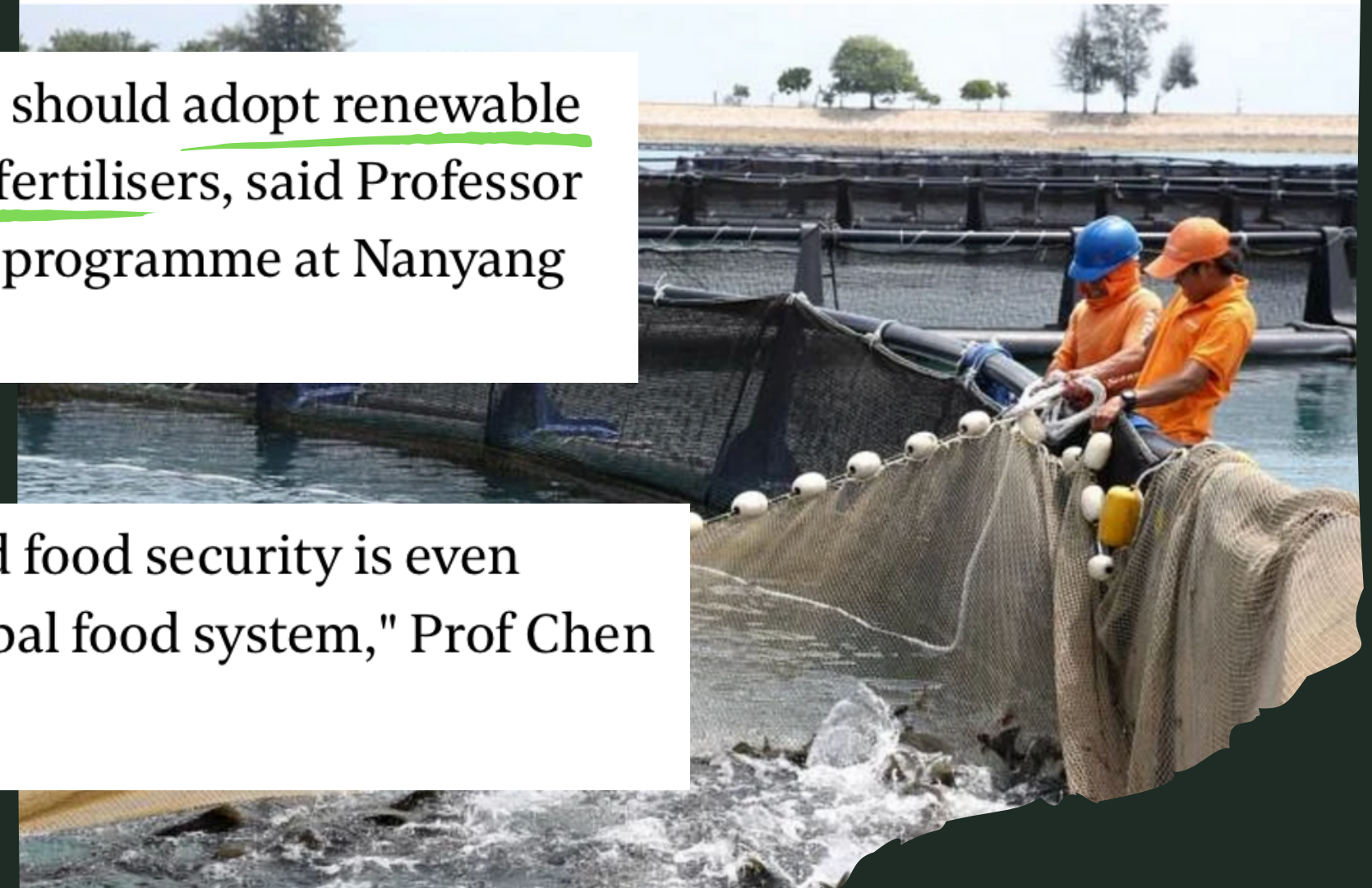
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S'pore farms hit by rising costs forced raise prices, but demand is up amid food security threats

The Straits Times, 17 Jul 2022

To combat the various economic uncertainties, local farms should adopt renewable energy and turn to innovation to rely less on conventional fertilisers, said Professor William Chen, director of the food science and technology programme at Nanyang Technological University.

"The need to push for local food production for enhanced food security is even greater against the backdrop of the headwinds in the global food system," Prof Chen added.



Can the headwinds in the global food system, be turned into tailwinds for sustainable farming?

Priority



Food Security

We provide high-yield, natural & climate resilient farming solutions for land-scarce, water-stressed / arid communities.



Circular Production

Our farming methods efficiently uses energy, water & waste. 1/3 of food produced is wasted globally each year*. Growing hyperlocal shortens food supply chain & reduces food loss



Decarbonise Food Supply Chain

Food tops global supply chain emissions at 25%**. Growing hyperlocal reduces carbon emissions of long supply chains. Transiting to clean energy will further decarbonise food production.



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Empowering Communities to Grow More With Less



Maximize space, maximize yield

Vertical farming allows an increase of crop yield, with efficient use of limited land resources.



Minimising environmental Impact

No pesticides and harsh chemicals used in Aquaponics farming. We get cleaner produce, anytime.



Modular system for any community

Easy installation and customization to cater to various communities and growing needs. Scalable solutions internationally.





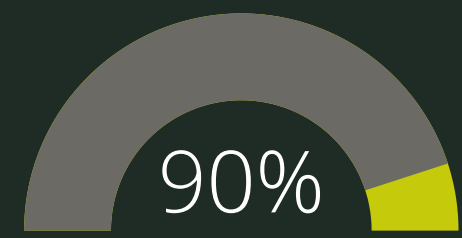
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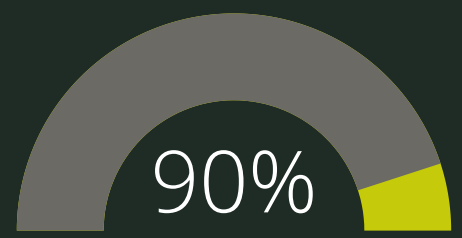
**Aquaponics =
Aquaculture +
Hydroponics**



The Benefits



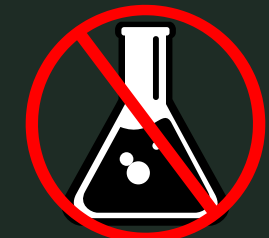
Less Energy Usage



Less Water Usage

7X

Higher Yield



Chemical Free

This 2-in-1 system creates a controlled and sustainable growth environment that generates 7X higher yield compared to traditional farming methods. It uses 90% less water since water is constantly being re-circulated within the system. And 90% less energy compared to indoor farms.

The symbiotic relationship between the plants, microbes and fishes means that the plants depend directly on the nutrients-rich fish waste, without harsh chemicals which are harmful to both the environment and us.





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Our Services

Professional Consultation



We have a team of industry professionals to help create turn key solutions for property owners

Modular Systems Setup



Our designs are modular and scalable. Each module can be scaled up to the client's requirements

Farm Management Services



We provide end-to-end farm management services to our clients. From planning to harvesting, we can help clients get more out of their farms

IoT Automation



Farms today should be smart. We are a data driven company leveraging on technology to help farms lower their efforts to grow, and hence make farms more efficient



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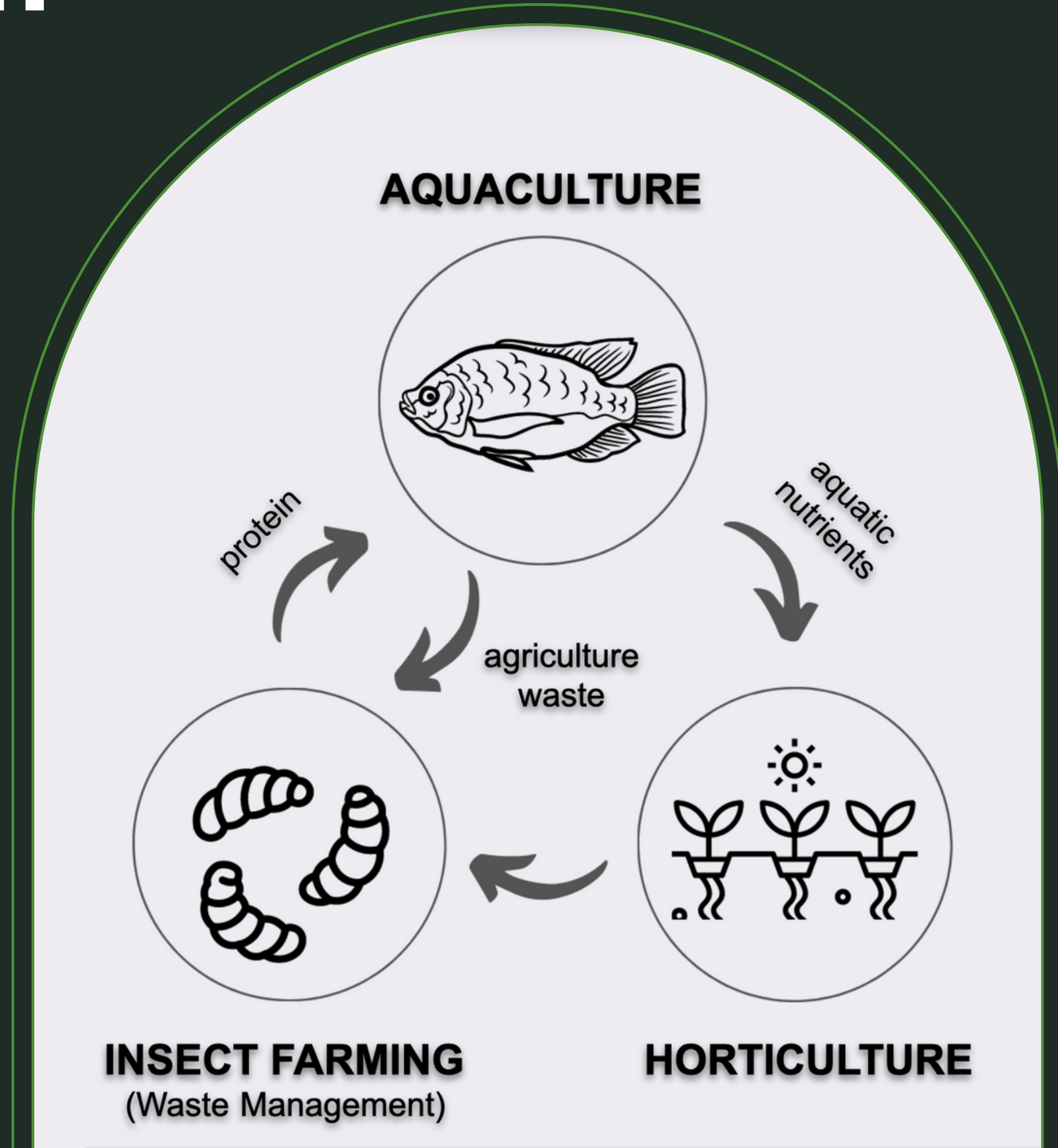
Our Circular System

Current

- Aquaculture module
- Horticulture module
- Waste management module
- IoT monitoring & control

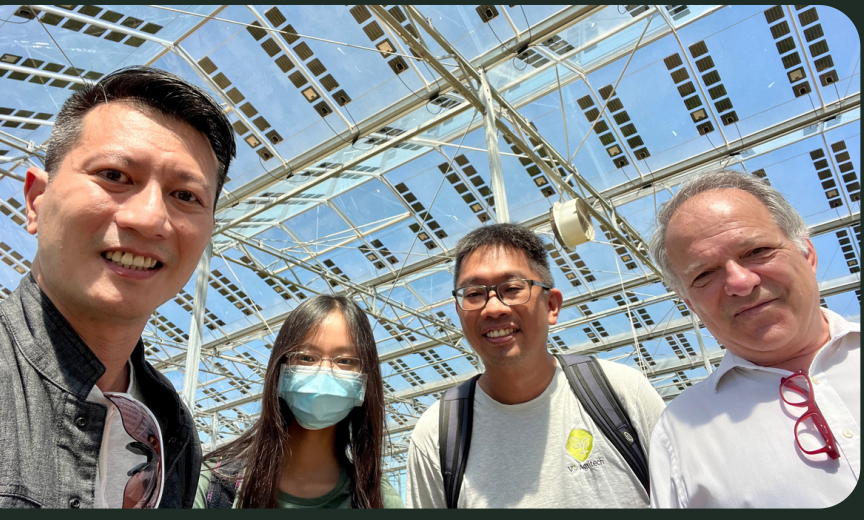
In the Pipeline...

- More fish species
- Robotic automation to reduce labour
- R&D microbial formula for different crops
- Agricultural photovoltaics*





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For crops requiring less light, e.g. raspberries, blueberries



For crops requiring more light, e.g. grapes

Joint Press Release:
**V-Plus Agritech Partners
Brite Solar to Bring
Transparent Agri-
Photovoltaics (Agri-PVs) to
SE Asia & Oceania**

Benefits

- Dual land use (agriculture + power gen)
- Light transmittance from 80% to 8%
- Power generation from 100 to 450 Wp
- >22% power conversion efficiency
- Bifacial panes
- Can retrofit to greenhouses
- No spectrum alteration



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Circular Loop Complete!





How We Can 'Move the Needle'

WHERE TO INVEST



Sustainable farming

Precision agriculture and farmer service platforms present large potential opportunity to drive yield improvements and reduce related emissions



Sustainable farming is one of the top carbon abatement levers for SEA and will represent a **\$30B** opportunity¹ by 2030

Earlier-stage capital looking opportunistically for start-ups/innovative models to scale, mature capital supporting CAPEX-intensive production systems

Investment opportunities



Precision agriculture – large potential especially given yield benefits, large agribusinesses lead investments, and potential for early-stage capital entry



Nutrient inputs – rising prices, awareness of emissions around nitrogen fertilizers creating opportunity for regional/local manufacturers



Controlled env. agriculture – potential to scale in urban areas (e.g., Singapore) if costs fall, extremely capital intensive, both institutional fund and PE/VC interest



Farmer services platform – as an enabler to expand farmer access to more sustainable practices, tech (e.g., large agribusinesses build in-house, VC-backed sustainable farming)



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IoT Demo





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R & D



**Microbial Formula
Research**



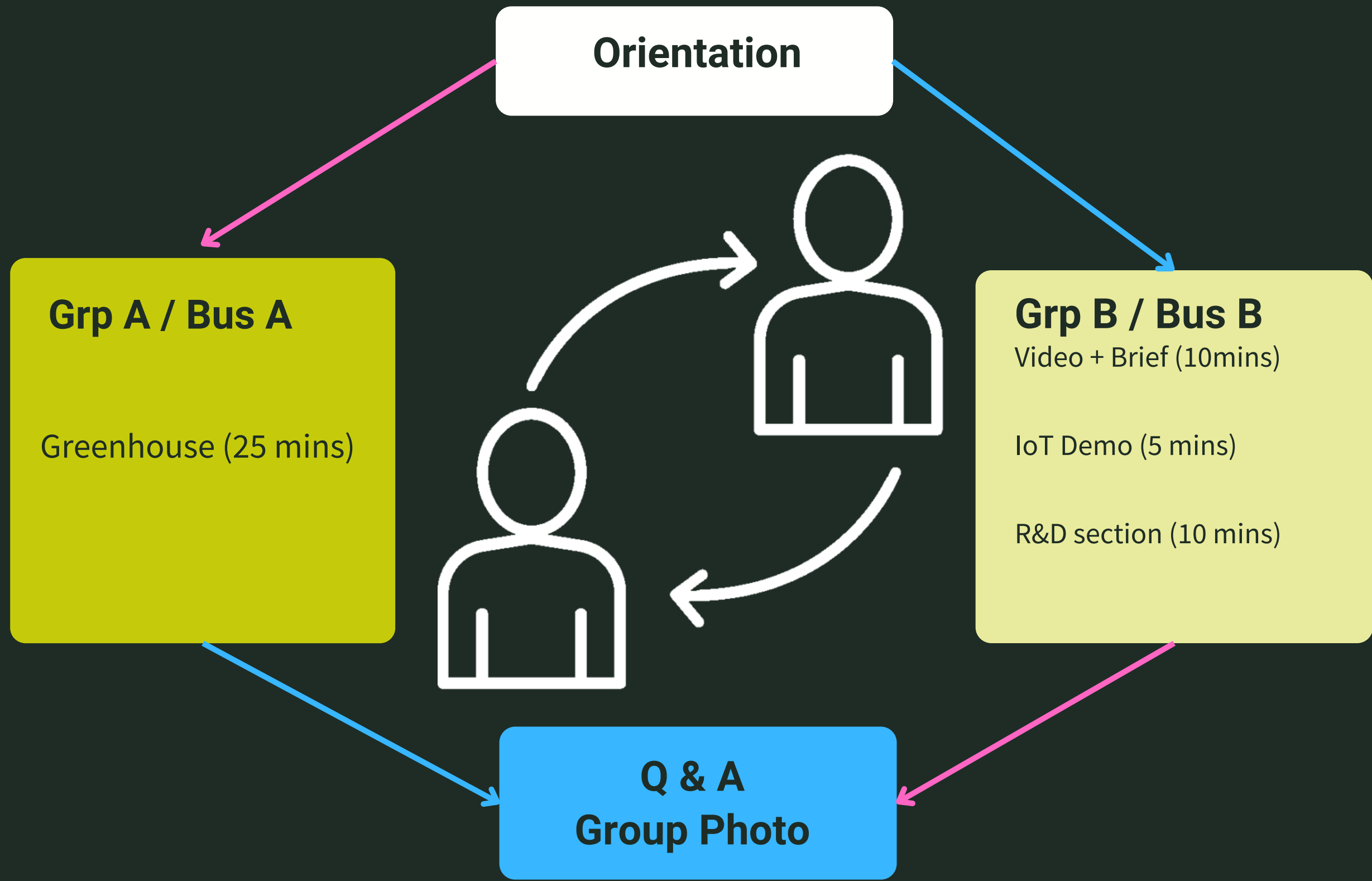
**Australian Jade Perch
Aquaponics**



**Black Soldier Fly
Larvea**



SWAP GROUPS





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We Are



QUESTIONS?