

Workshop Series on Supply Chain for Businesses and SMEs

**ISM-HK
 Interactive
 Discussion
 Workshop 2**



Date: 28 June, 2022

Time: 2:30 - 4:00 pm

Event Venue: THE LOFT@Fourseas Cockloft, Fourseas
 Building, 208-212 Nathan Road, Jordan, Kowloon



Free Of Charge
 Join Us Now

Speakers



Dr. Danny Ho
 Assistant Professor

The Hong Kong University of Science and Technology



Mr. Jacky Hau CPSM Trainer
 Senior Lecturer

Hang Kong Metropolitan University



Ms. Emma Zhou Manager
 Department of Ocean Science

HKUST


Key Topics

1. How to make better decision under uncertainty for supply chain resilience?
2. An example of Industry-University-Research Cooperation for Local Supply Chain SMEs' Consideration
3. Sharpen your tools in managing the supply chain

An example of Industry-University- Research Cooperation for Local Supply Chain SMEs' Consideration

Ms. Emma Zhou
 Senior Manager, HKUST
 Council Member, ISM-HK

2022.12.03

- 
- An underwater scene with a large, dark, rectangular structure at the top, possibly a submersible or part of a research vessel. Two divers are visible in the middle ground, swimming towards the right. The water is deep blue with sunlight rays filtering through from the top left. In the bottom right corner, there are 3D wireframe models of a DNA double helix, a leaf, and a cylindrical container, suggesting a focus on biology and research.
- ❖ Overseeing the operations of an array of funding schemes (**HK\$43 million per year**);
 - ❖ Initiating Industry-University-Research Collaboration project (**HK\$1.3 million per year**);
 - ❖ Building the platform of Industry-University-Research cooperation;
 - ❖ Establishing the knowledge hub to facilitate knowledge transfer, incubation and commercialization;

Envy as Evergreen staff get 40-month bonuses

January 3, 2022



- ❖ Taiwan's largest liner operator gave some employees a year-end bonus of as much as 40 months of their salaries.
- ❖ Evergreen has achieved a cumulative net profit of US\$5.69 billion for the first nine months of 2021 and stock analysts believe the company's full-year net profit could be around US\$7.24 billion.
- ❖ In 2020, Evergreen booked a net profit of US\$860 million and dished out 10-month bonuses to staff.
- ❖ As the company's 2021 earnings are predicted to jump nearly 10 times, staff bonuses have also grown.

Source: <https://container-news.com/envy-as-evergreen-staff-get-40-month-bonuses/>

Dislodging massive Evergreen Marine container carrier from Suez Canal could take two days

World | 24 Mar 2021 7:45 pm



In this photo released by the Suez Canal Authority, a cargo ship, named the Ever Green, sits with its bow stuck into the wall Wednesday, March 24, 2021, after it turned sideways in Egypt's Suez Canal, blocking traffic in a crucial East-West waterway for global shipping. An Egyptian official warned Wednesday it could take at least two days to clear the ship.

Source: <https://www.thestandard.com.hk/breaking-news/section/6/168133/Dislodging-massive-Evergreen-Marine-container-carrier-from-Suez-Canal-could-take-two-days>

Challenge vs Opportunity

Megaship blocking Suez Canal may be refloated Saturday: owner

ABS-CBN News

Posted at Mar 27 2021 12:20 PM



A handout picture released by the Suez Canal Authority on Thursday shows the Taiwan-owned MV Ever Given (Evergreen), a 400-meter long and 59-meter wide vessel, lodged sideways and impeding all traffic across the waterway of Egypt's Suez Canal. Egypt's Suez Canal Authority said it was "temporarily suspending navigation" until refloating of the MV Ever Given ship was completed on one of the busiest maritime trade routes. AFP

Source: <https://news.abs-cbn.com/overseas/03/27/21/megaship-blocking-suez-canal-may-be-refloated-saturday-owner>

Yara to start operating the world's first fully emission-free container ship

NOVEMBER 19, 2021

Oslo, 19 November 2021: The world's first electric and self-propelled container ship – Yara Birkeland – has departed for its maiden voyage in the Oslo fjord. Today, the Norwegian Prime Minister was given a tour by CEO of Yara, Svein Toi Holsether.



*New Trend
Net Zero & Carbon Neutrality
Cop 15 & Cop 26*



Yara Birkeland, Oslo - The world's first fully electric and soon to be autonomous container vessel with zero emissions

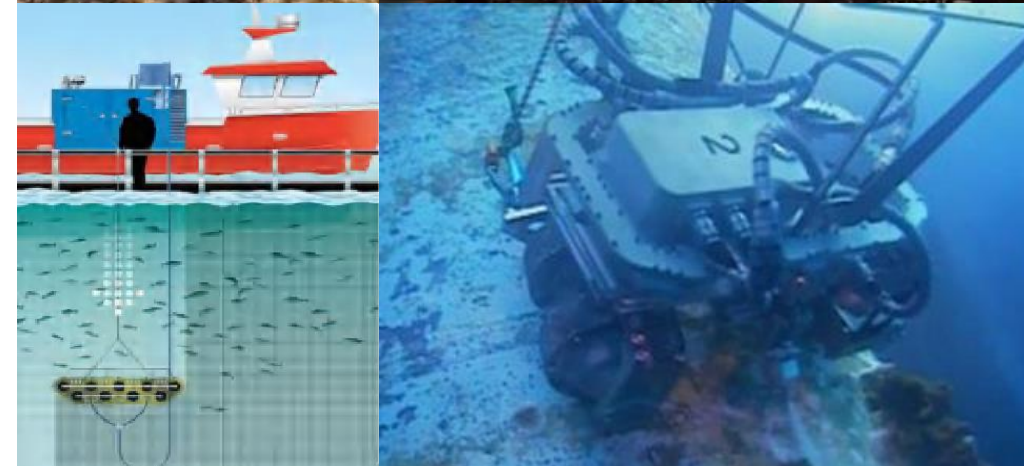
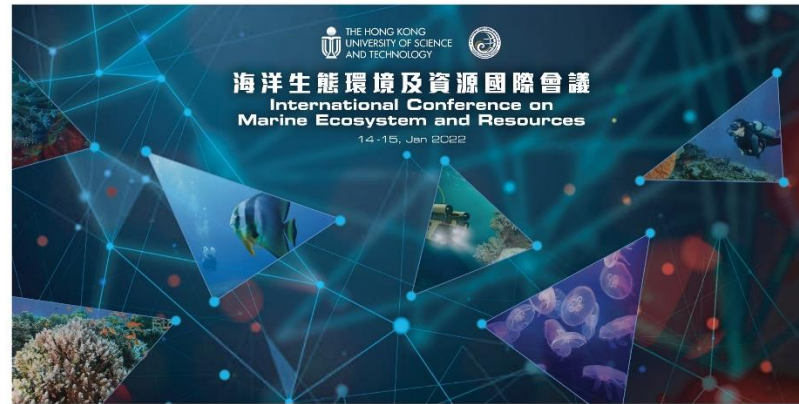
October 2021

Hong Kong's

CLIMATE ACTION PLAN 2050

2050

Local SMEs may consider the model of “*Industry-University-Research*” Cooperation



香港邁向 Carbon Neutral@HK

Please scan this QR code for the Hong Kong's Climate Action Plan 2050



Designed and published by the Environment Bureau and printed with environmentally friendly ink on recycled paper

01-12 NOV 2021 GLASGOW COP26 IN PARTNERSHIP WITH ITALY

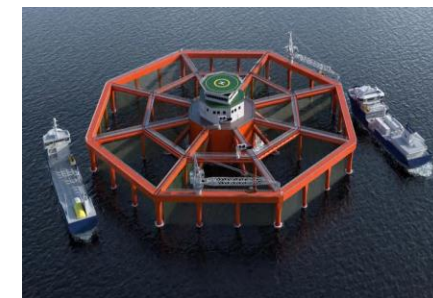


2020年联合国生物多样性大会 2020 UN BIODIVERSITY CONFERENCE COP 15 - CP/MOP10-NP/MOP4

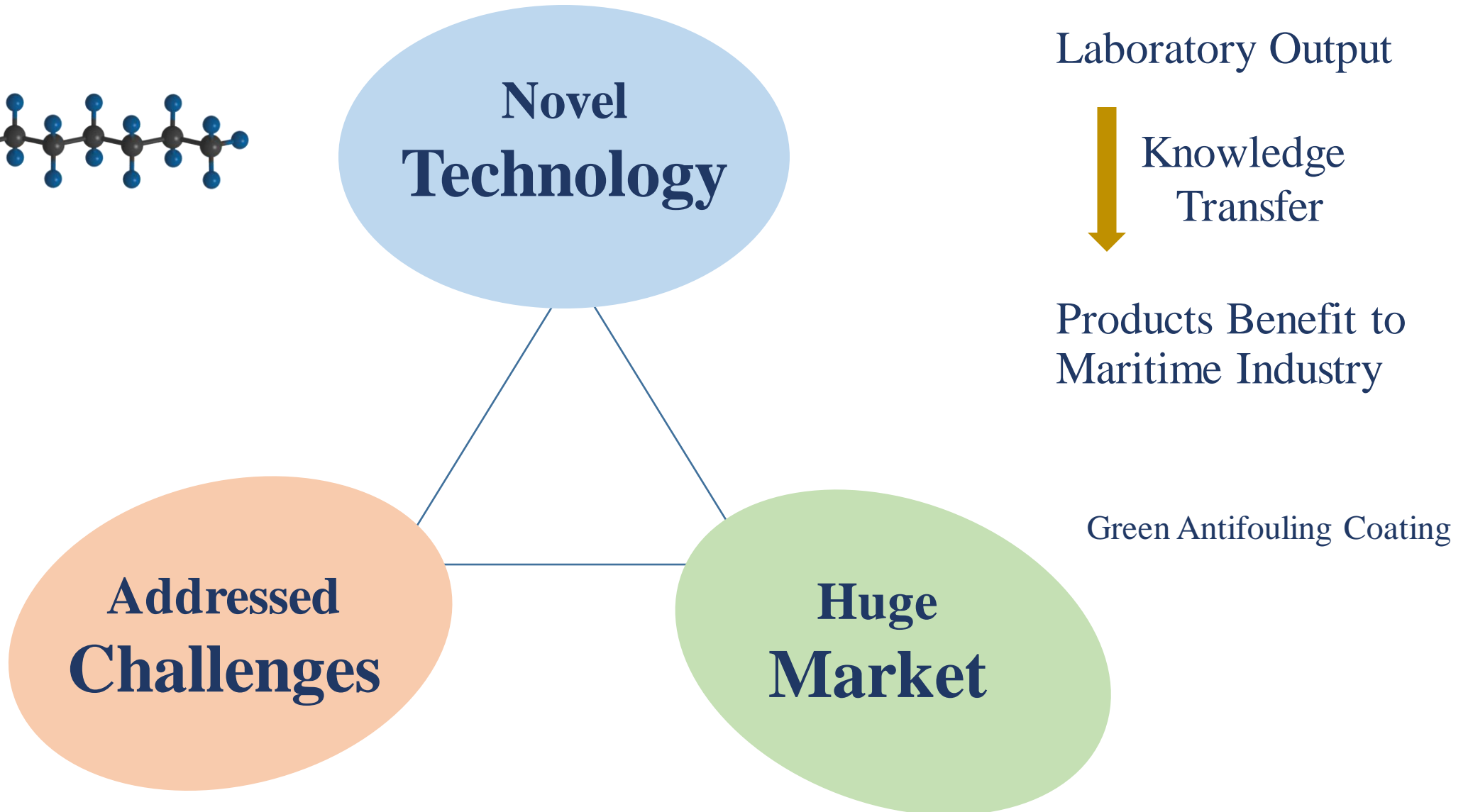
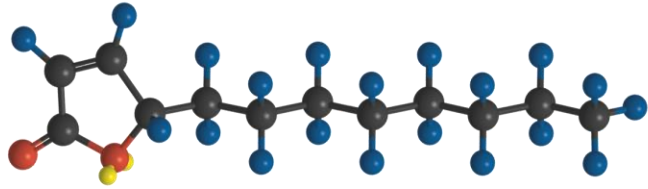
生态文明: 共建地球生命共同体 Ecological Civilization: Building a Shared Future for All Life on Earth

SeaSafe[®]: a Good Model for “*Industry-University-Research*” Cooperation

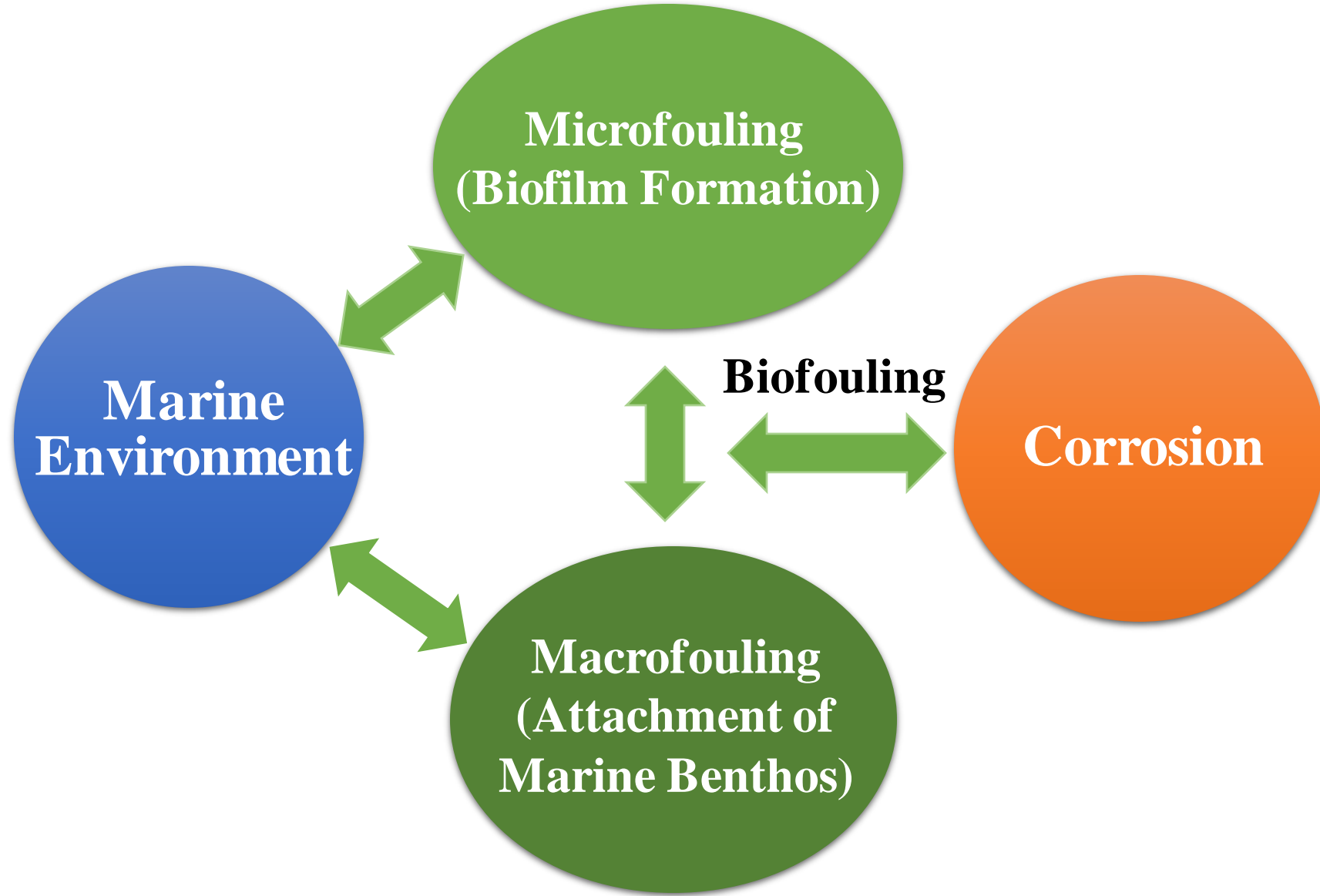
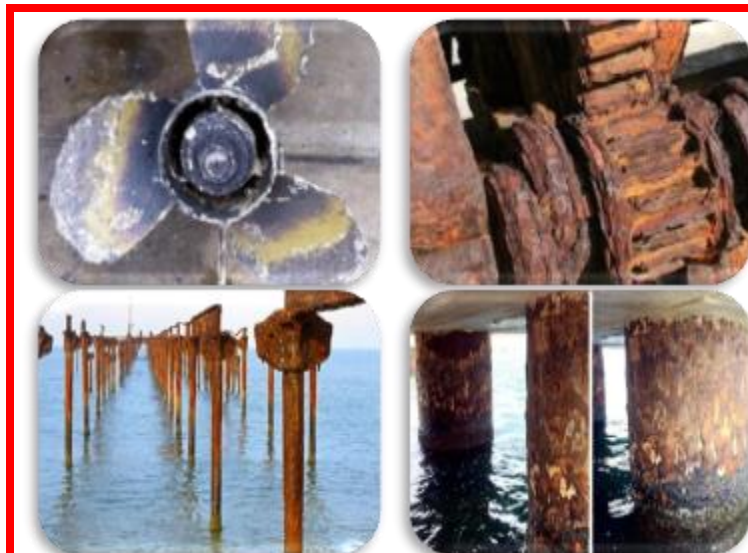
- Original Marine Research Discovery
- Research and Development
- Industry Commercialization
- Broad Application to Maritime Industry, such as Maritime Logistics, Aquaculture, and etc.



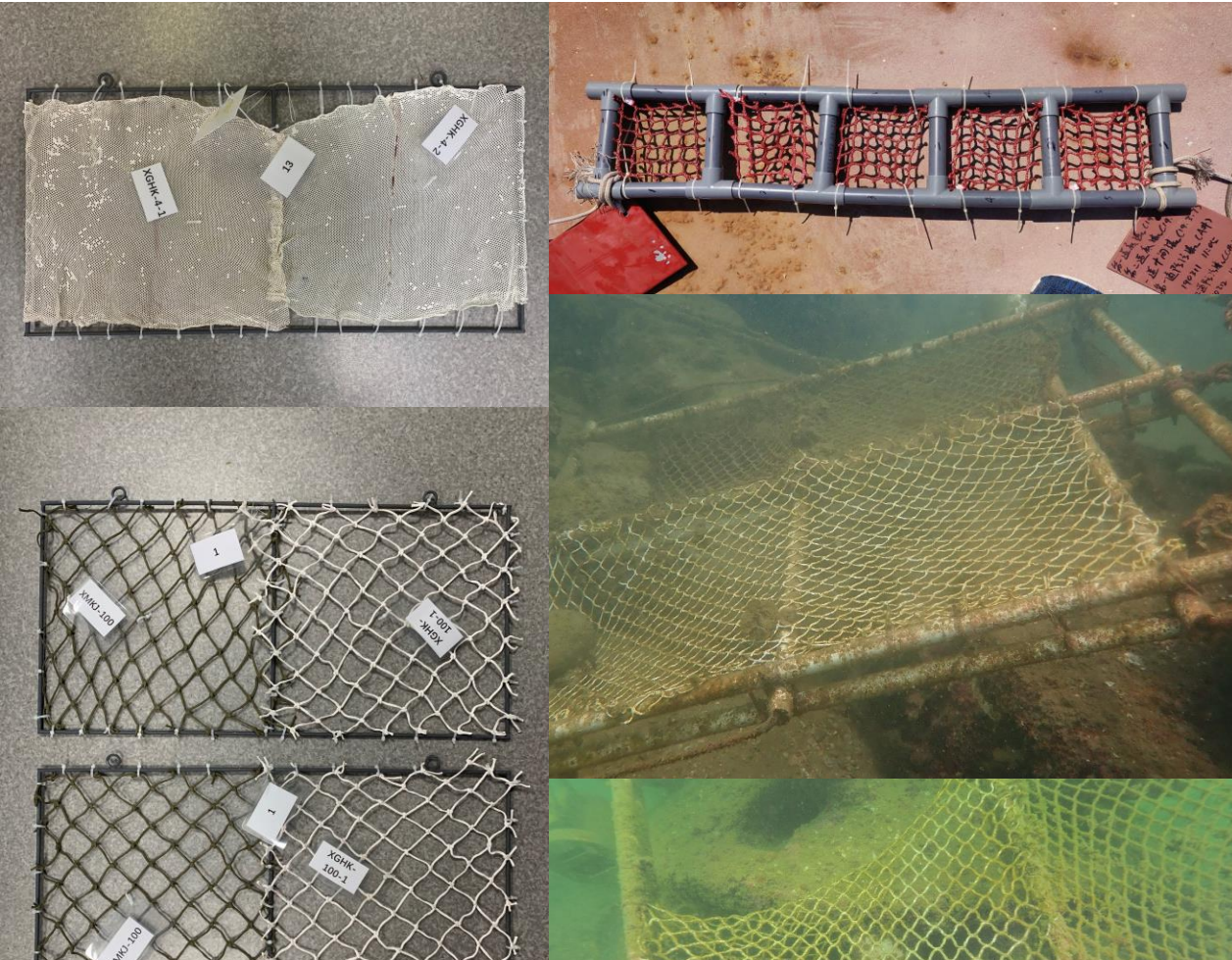
Green Antifouling Coating SeaSafe®



Biofouling and Corrosion



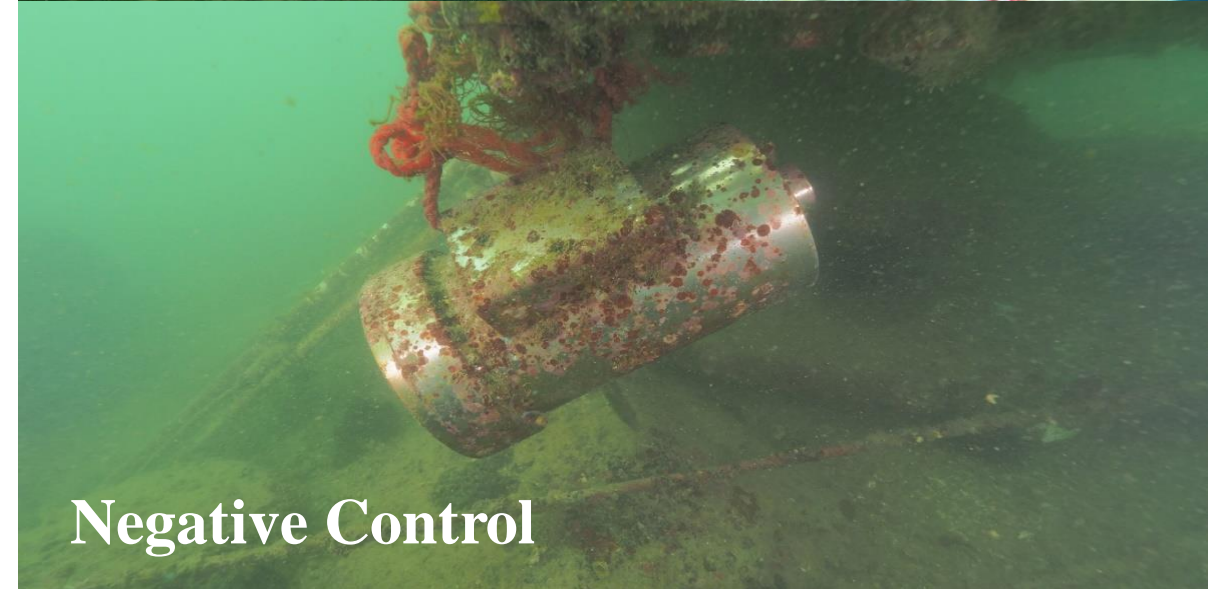
Field Test on Fish Net



Released in 2021.5 till now.
Significant anti-fouling effect

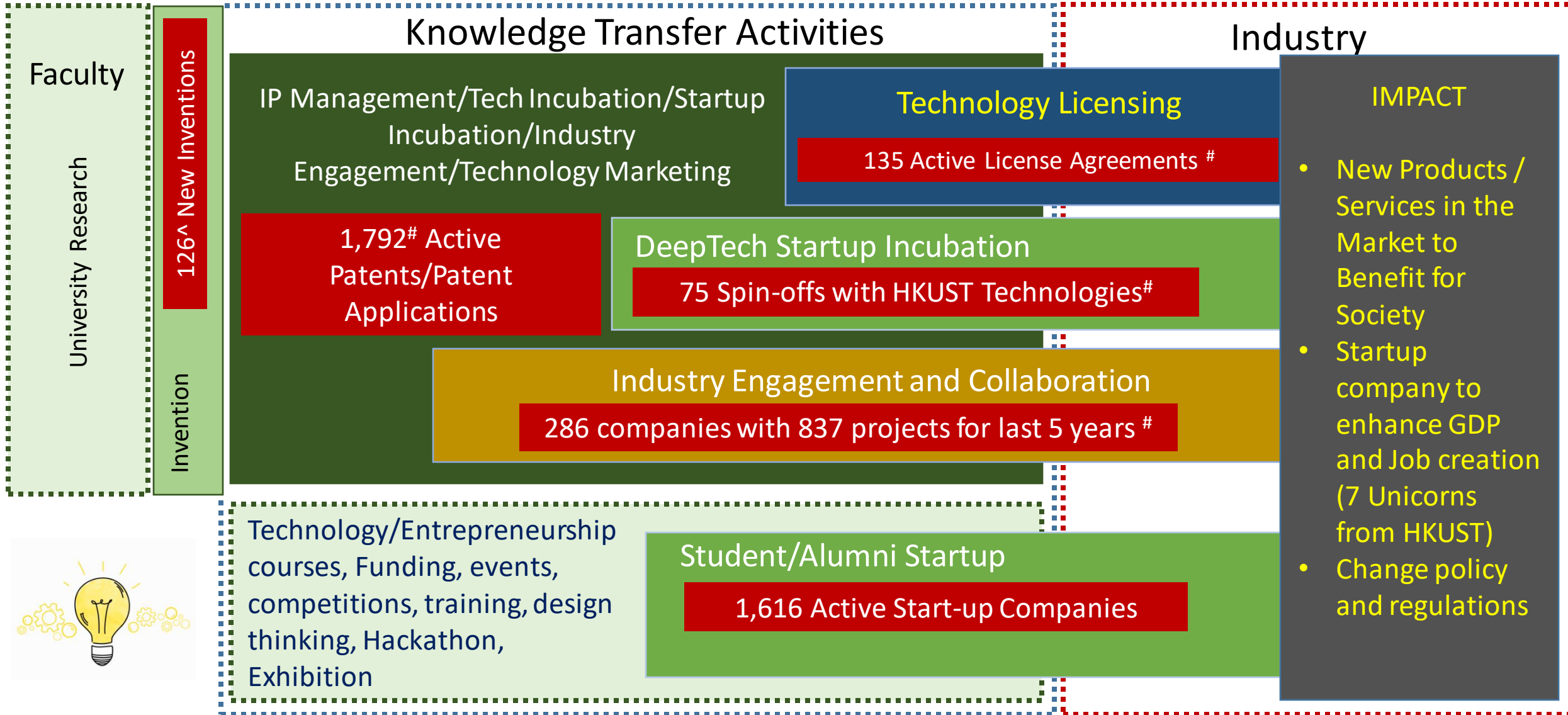
Field Test on Underwater Equipment

SeaSafe® Antifouling Coating



Negative Control

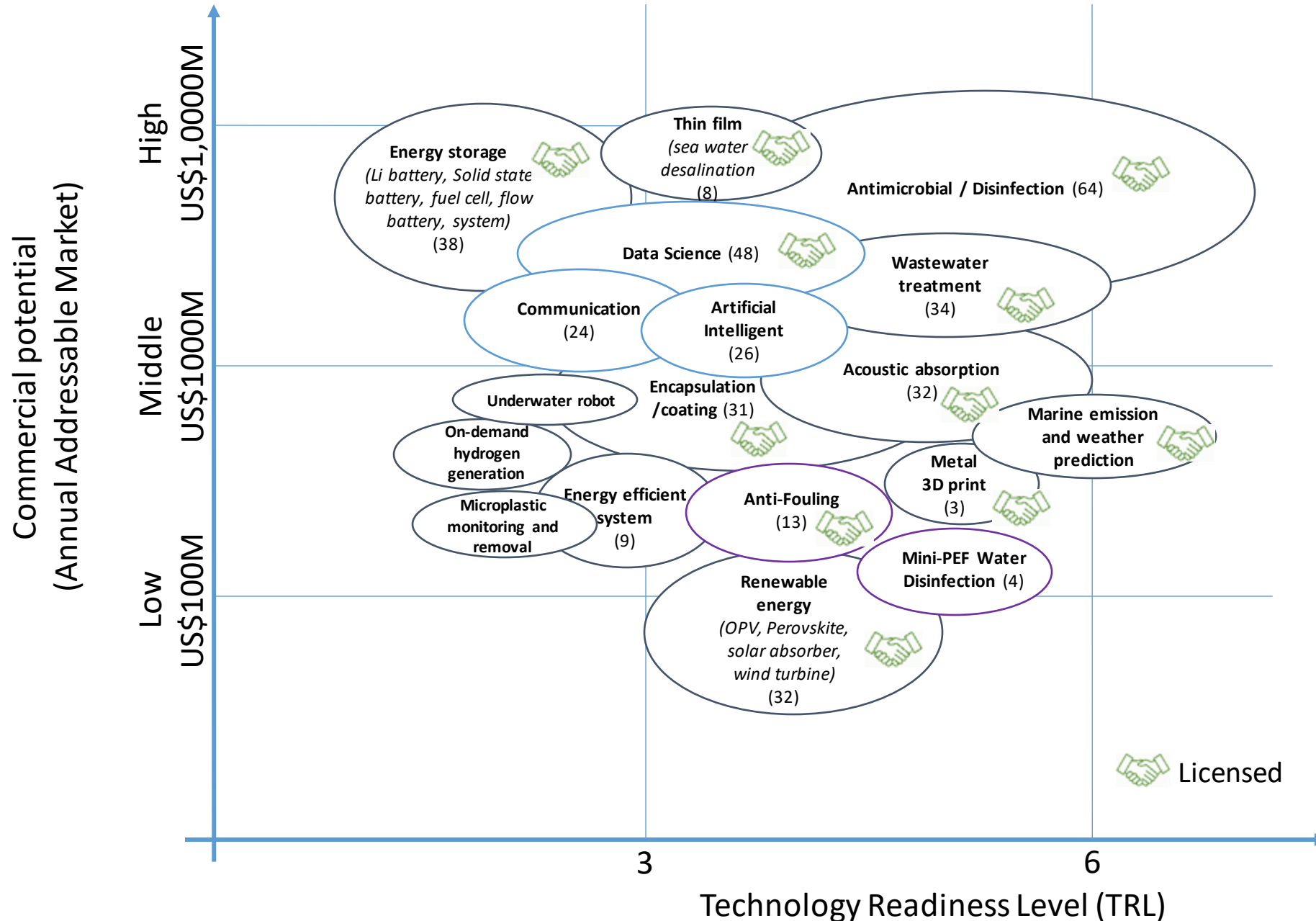
Idea to Impact in HKUST



[^] HKUST data for 2021/22 as of 23/5/2022

[#] HKUST as of 23/5/2022

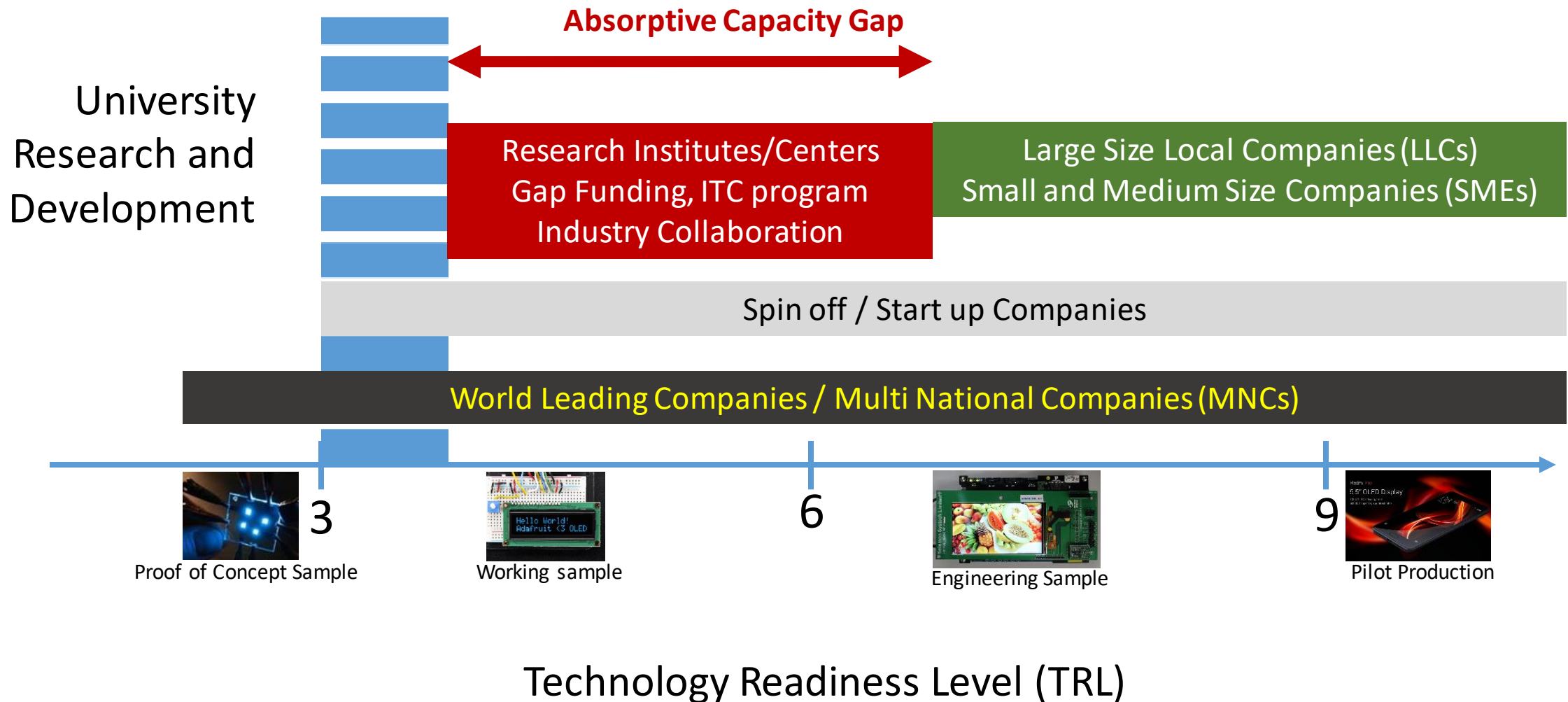
Technologies Portfolio in HKUST related to Marine Economy



*AI and big data technology are enabling technologies to facilitate technology development

Engagement Strategy: Bridge the Gap in Absorptive Capacity

Absorptive Capacity: a firm's ability to recognize the value of new idea/technology/information, assimilate it, and apply it to commercial ends [^]



[^] https://en.wikipedia.org/wiki/Absorptive_capacity

Various Industry Engagement

Joint Labs



HKUST-Bright Dream Robotics Joint Research Institute



HKUST-Kaisa Joint Research Institute



HKUST Collaborative Innovation Center in Collaboration with BICI

- Total 47 projects approved with HK\$96M by 2021
- Key areas: construction robotics, advanced materials, IoT, Fintech and Healthcare
- Student internship opportunities with industry partners

Joint Research Institutes



Project based collaboration

- Contract Research
- Sponsored Research

Service and Consulting Projects

Joint Application to ITF Funding

- ITSP, PRP, PSTS

Industry Contract Research

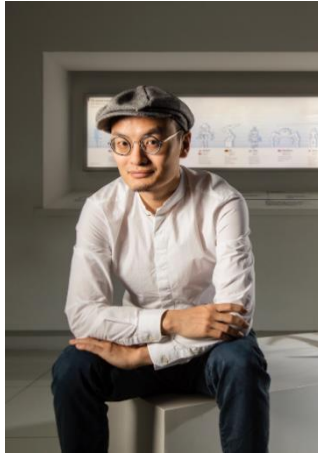
- HKUST conducted **837 Projects with 286 companies** for last 5 years
- It enhanced University's research relevance with Industry and contributed companies' product development

7 Unicorns with HKUST DNA



Mr Frank Wang,
Founder, CEO and CTO

Master of Philosophy,
Electronic and
Computer
Engineering



Mr Tat Lee,
Chief Executive and
Executive Director

Bachelor of
Engineering, Computer
Science



Dr Chen Xu,
Founder, Chief
Executive Officer

PhD, Mphil,
Electronic
Engineering

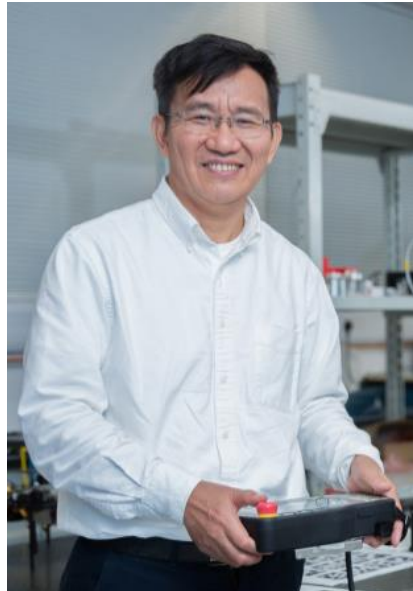


Chairman and Co-
founder



Co-founder

Professor Zexiang Li
Department of
Electronic and Computer
Engineering



Professor Qiang Yang,
Co-founder

Chair Professor at
Department of
Computer Science
and Engineering



Professor Jiaya Jia,
Founder and Chairman

Doctor of Philosophy,
Computer Vision



HKUST BLUE Start-ups



AlGreen aims to produce renewable and sustainable biofuels derived from algae to serve the Shipping & Aviation Industry through genetically engineered algae with high oil contents & develop new and efficient extraction and chemical processing protocols.

2 HKUST LIFS Alumni Founder:
Dhruv JAIM & Rehaan LULLA

Faculty Advisor: Prof. Karl Tsim
2022 1M Finalist
HKSTP Incubation



ePropulsion is a provider of sustainable marine products such as electric outboard motors, water sports equipment and underwater drones. Charting a greener future for the boating community worldwide.

HKUST ECE Alumnus Founder:
Danny TAO

Product in market with 200% sales growth in 2021
<https://www.epropulsion.com>



Zhuhai Yunzhou Intelligence Technology Ltd. manufactures and markets unmanned surface vehicles (USV) for smart water management, marine engineering, public safety and water quality monitoring.

HKUST MECH Alumni Founder:
Yunfei ZHANG

2011 1M Finalist
Product in market selling to 40+ countries & regions
<http://www.yunzhou-tech.com>

“Industry-University-Research” Cooperation

- Team up
- Market needs
- Novel technology
- Government funding
-





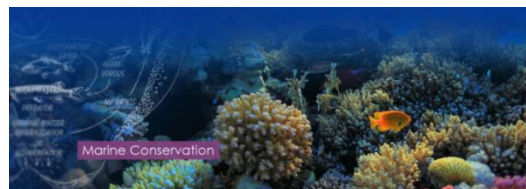


Blue Marine Economy Summit
23 June 2022

Global marine economy and technological development

To promote Blue Marine Economy through a close “Industry-University-Research” collaboration from different marine sectors

Register now at hkgbsp.hkust.edu.hk





Blue Marine Economy Summit 23 June 2022



Morning Session

 Prof. Tim Kwang-Ting CHENG Vice-President for Research & Development, The Hong Kong University of Science and Technology	 Ms. Danhong CHEN Director General, International Cooperation Department, Ministry of Natural Resources, China
 Prof. Shahbaz KHAN Director, UNESCO Cluster Office in Beijing	 Mr. Alfred Wing-hang SIT, JP Secretary for Innovation and Technology, Hong Kong Special Administrative Region of the People's Republic of China
 Dr. Kal XU Deputy Minister of Education and Technology, Liaison Office of the Central People's Government in the HKSAR	 Mr. Amir LATI Consul General of the State of Israel in Hong Kong SAR and Macao SAR
 Mr. Marc LAMY Deputy Consul General of France in Hong Kong and Macao	 Ms. Johannah CHRISTENSEN Chief Executive Officer, Global Maritime Forum
 Prof. Philippe DELEBECQUE Full Professor, University of Pantheon-Sorbonne Paris-II, Sorbonne Law School; President, Maritime Arbitration Chamber of Paris; President, French Maritime Law Association	 Prof. Si ZHANG Academician of Chinese Academy of Engineering; Standing Committee Member, the 13th National Committee of the CPECC; Engineering Guangdong Laboratory (Guangzhou)
 Prof. Dake CHEN Academician of Chinese Academy of Sciences; Director, Southern Marine Laboratory, Second Institute of Oceanography, Ministry of Natural Resources, China	 Dr. Jonathan K S CHOI, GBM, GBS, BBS, JP Standing Committee Member, the 13th National Committee of the CPECC; Chairman, the Guangdong-Hong Kong-Macao Bay Area Entrepreneurs Union
 Mr. Benjamin CABOUAT Consul for Culture, Education and Science, Consulate General of France in Hong Kong and Macao	Afternoon Session
 Prof. Wei SHYY President, The Hong Kong University of Science and Technology	 Dr. Samuel Ho Kwong CHUI, JP Deputy Director of Environmental Protection, Environmental Protection Department, Hong Kong Special Administrative Region of the People's Republic of China
 Ms. Rosita LAU, MH Partner, Ince & Co; Chairman, Promotion and External Relations Committee, Hong Kong Maritime and Port Board	 Prof. Michael TSIMPULIS Deputy Director, the Hong Kong Commercial and Maritime Law Centre, School of Law, City University of Hong Kong
 Mr. Edward LIU Partner, Hill Dickinson LLP; Principal Representative, International Chamber of Shipping (China) Liaison Office	 Dr. Shin Cheul KIM Associate Vice-President for Research and Development (Knowledge Transfer), The Hong Kong University of Science and Technology
 Mr. Wellington KOO Chairman, Hong Kong Shipowners Association	 Prof. Thomas CC WONG Executive Committee Member & Chairman of Sustainable Development Committee, The Chinese Manufacturers' Association of Hong Kong; Former Advisor of Endangered Animal & Plant Office, Agriculture, Fisheries and Conservation Department of the Government of HKSAR
 Mr. Eddie Hakkim NG, GBS, JP Former Secretary for Education, the Government of the Hong Kong Special Administrative Region of the People's Republic of China	

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An underwater scene viewed from below a boat. Sunlight rays stream down from the surface, illuminating the water. Two divers are visible in the middle ground, and the dark hull of the boat is at the top. The overall color palette is deep blue and teal.

Thank you for your attention!

