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**NEWS RELEASE**

**OCEANUS INVESTS IN UNIVERSAL AQUACULTURE FOR DEEP TECH INDOOR FARMING**

- ***High tech indoor farming facility to breed live and fresh vannamei prawns***
- ***Focused on driving business growth through strategic partnerships and creation of new revenue streams for sustainable growth***

**Singapore, 2 September 2020** – Homegrown premium seafood and fast-moving consumer goods (“**FMCG**”) value chain manager, Oceanus Group Limited (“**Oceanus**”, 欧圣集团), and together with its subsidiaries, the “**Group**”), is pleased to announce that it has made an investment in Universal Aquaculture Pte Ltd (“**Universal Aquaculture**”) for deep tech indoor farming.

**Builds up Aquaculture Pillar**

This investment in Universal Aquaculture is in line with the Group’s forward strategies to drive business growth by further strengthening its Aquaculture pillar. Through this investment in Universal Aquaculture, a newly-formed deep tech company which has an indoor farming facility using Hybrid Biological Recirculation System (“**HBR**S”) POD technology, Oceanus will now focus on the next generation of breeding live and fresh vannamei prawns.

Oceanus’ Chief Executive Officer, Mr. Peter Koh, said, “This investment is a strategic fit with our business to bring breakthrough technology in aquaculture farming. We are delighted to work closely with like-minded partners to bring sustainable quality seafood close to consumers.

“Collectively, Universal Aquaculture’s technology core team members have over 100 years of experience in aquaculture. This talented team, led by Founder Jeremy Ong, has in fact taken six years of R&D to develop the POD technology. More specifically, this indoor farming facility uses the HBRS POD technology, which is the world’s first hybrid biological recirculation system. It is the next generation in aquaculture water treatment which reduces the need for large water treatment tanks and equipment, thereby saving space, energy and water consumption, whilst creating perfect water conditions for breeding within a shorter period of harvesting time.”

### **Hybrid Biological Recirculation System (“HBRS”)**

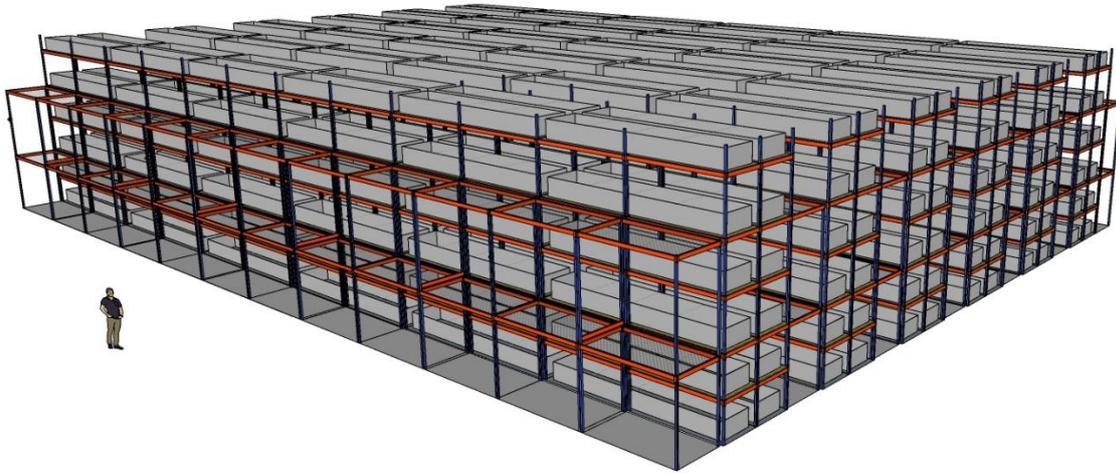
Universal Aquaculture's HBRS is a quantum leap in water treatment engineering. This innovative system fuses a sophisticated mechanical and biological system together, producing the best water quality possible for aquaculture. A traditional Recirculation Aquaculture System (“**RAS**”) uses more mechanical filtration that consumes a lot of power while a pure biological system (“**Biofloc**”) relies mainly on biological filtration with very minimal mechanical filtration.

Universal Aquaculture's HBRS is a reinvention using important components from both systems that are well-suited for aquaculture applications. The HBRS system consumes a much lower level of energy by using a combination of specially selected microbes to enhance the biological filtration, thereby also facilitating a zero water change and a significant reduction of Feed Conversion Ratio (“**FCR**”).

The POD technology uses HBRS to treat its water, which allows stocking in high density and also polyculture<sup>1</sup> within the same system. This technology consists of multi-layered tanks designed specially for a range of species of shrimps and certain fishes including seabass, tilapia and Jade Perch. With the HBRS POD technology, the harvesting rate can be increased to daily if required. And when the HBRS PODs are arranged into the HBRS MATRIX, this is converted into one of the highest density and productivity farms in the world.

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<sup>1</sup> *A form of agriculture in which more than one species is grown at the same time and placed in imitation of the diversity of natural ecosystems*



***Oceanus' investment in Universal Aquaculture, a deep tech company which has an indoor farming facility, using HBRS POD & HBRS MATRIX technology, focusing on next generation breeding of fresh vannamei prawns***

“The current COVID-19 situation underscores the importance of local food production, as part of Singapore’s strategies to ensure food security and self-sufficiency. We are optimistic that this breakthrough in technology for prawn breeding in a vertical farming environment, where aquaculture could take place within warehouses, will play an important role in sustainable urban food production,” concluded Mr Peter Koh.

## About Oceanus Group Limited

Global premium seafood and FMCG value chain manager, Oceanus Group Limited (“**Oceanus**”, and together with its subsidiaries, the “**Group**”), is listed on the Mainboard of the SGX-ST since May 2008. It harnesses synergies from its ecosystem comprising diversified businesses across the aquaculture and FMCG value chain, with four growth pillars – Aquaculture, Distribution, Services and Innovation.

Working closely with the brightest minds and industry thought leaders, Oceanus strives to create a synergistic aquaculture ecosystem with a focus on food security and safety.

For more information, please visit: <http://oceanus.com.sg/>

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