# OCEANUS GROUP LIMITED

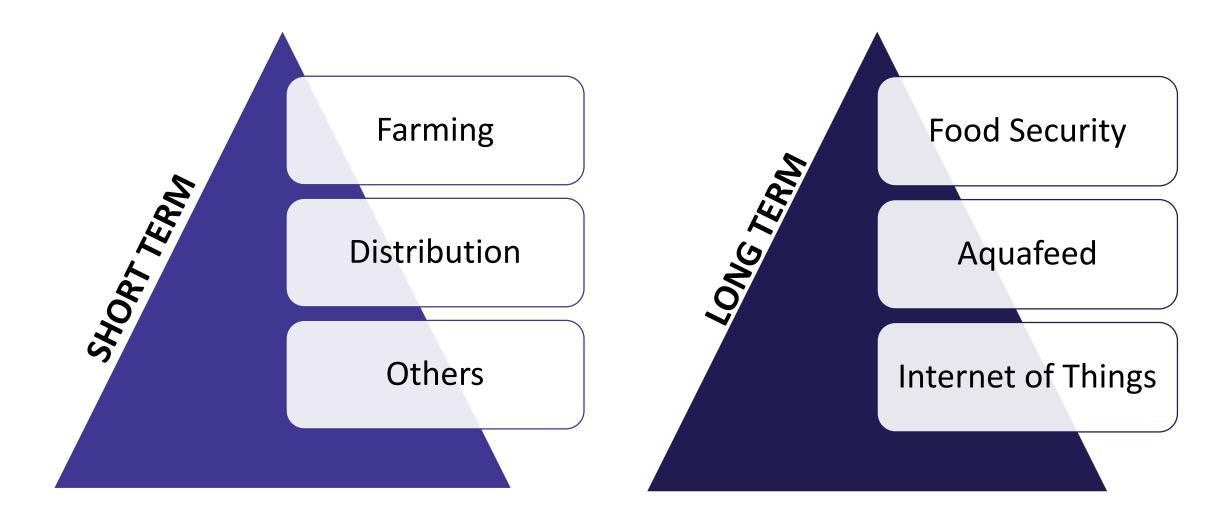
**FY2017 AGM** 

*30 April 2018* 





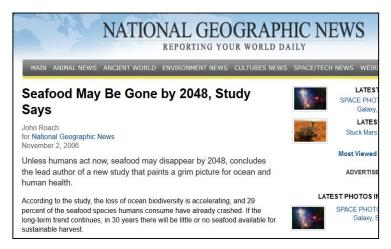
#### **Oceanus Pillars of Growth**





#### **Towards National Food Resilience**

- 2050 global population ~9.6 billion ocean food fish will be depleted
- Food production must increase by 70% and 40% land is needed



#### **National Geographic News**

https://news.nationalgeographic.com/news/2006/11/061102-seafood-threat.html



**CNBC** 

https://www.cnbc.com/2014/10/15/world-may-not-have-enough-food-toeat-by-2050-report.html/

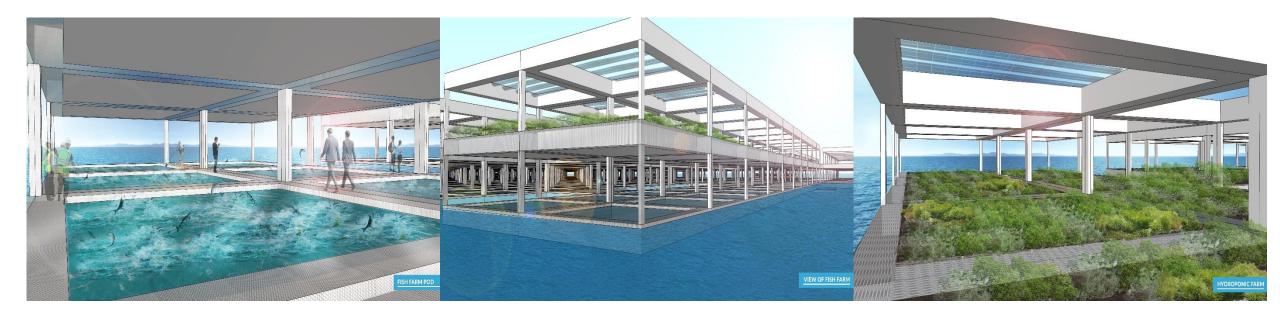


**BBC News** 

http://newsfeed.time.com/2010/12/07/impending-crisis-earth-to-run-out-of-food-by-2050



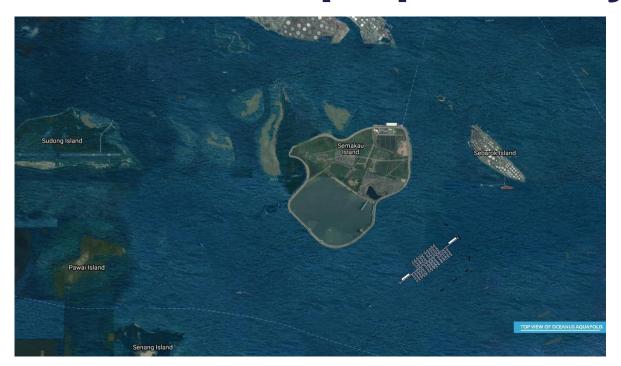
# Oceanus Aquapolis City Project



- Combines hydroponics and aquaculture farming technologies
- Utilise the most advanced farming techniques to create a self-sustaining future food city that will feature a mixed crop cultivation comprising of vegetables, seaweed and fish
- Highly scalable, portable, more energy efficient than land-based farms, and requires minimal manpower with the use of Internet of Things and Artificial Intelligence
- Capitalises on unused sea space, a solution for the traditionally land-intensive farming industry



## Oceanus Aquapolis City Project





- First of its kind: sea-based hi-tech aquaponics farm that aims to be the solution to food security and safety, in Singapore and beyond
- An environmentally friendly, multi-storey floating closed-contained platform for the production of fish and vegetables
- The project in its final stage of fruition will be worth several hundred millions of dollars
- Expected to take 5 to 7 years from its current conceptualisation to launch

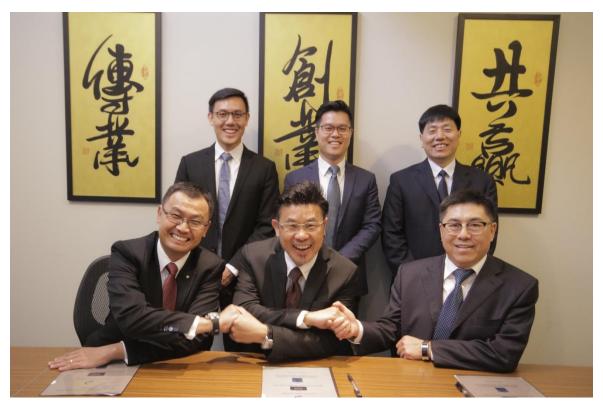


# **Tripartite Partnership**

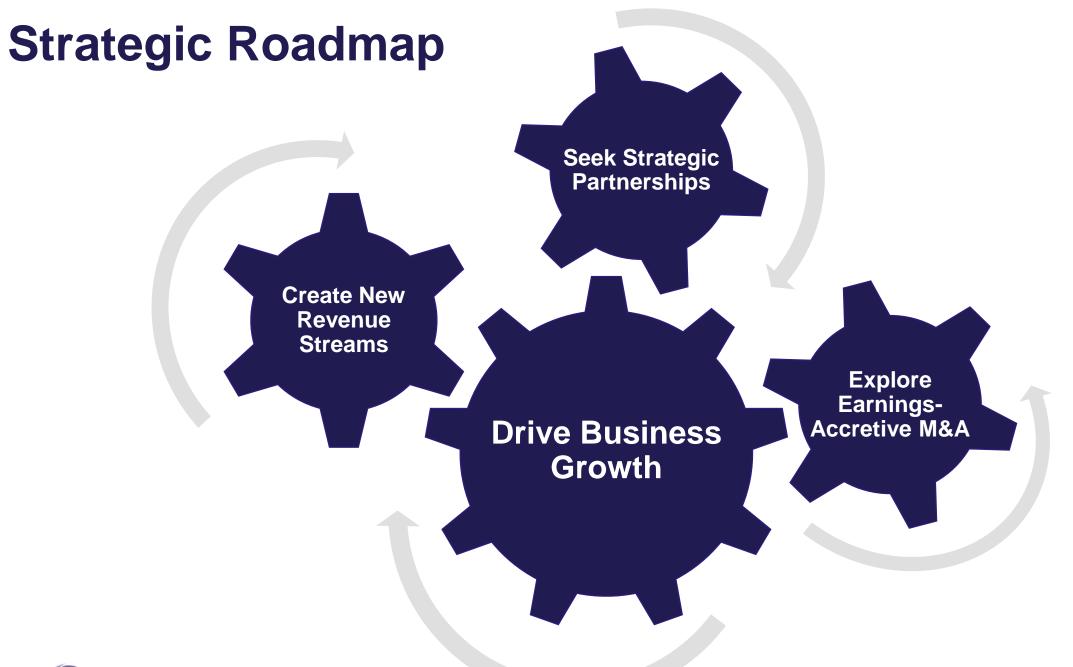








- MOU to collaborate and jointly explore global aquaculture-related investment opportunities and development projects worth US\$500 million
- Shaw is an investment holding company that aims to create and expand new businesses in various industries locally and internationally
- CSCEC7 is a subsidiary of China Construction, the largest construction company in the world by revenue and is listed on the Shanghai Stock Exchange







#### Doubled FY2017 Revenue

#### Revenue (RMB'000)



# **Tripled Live Marine Products Revenue**

<u>Live Marine Products Segment Revenue</u> (RMB'000)





## Reversed **EBITDA**

## First Net Profit in 5 Years

**Net Profit** 

(RMB'000)



(RMB'000)



189,338

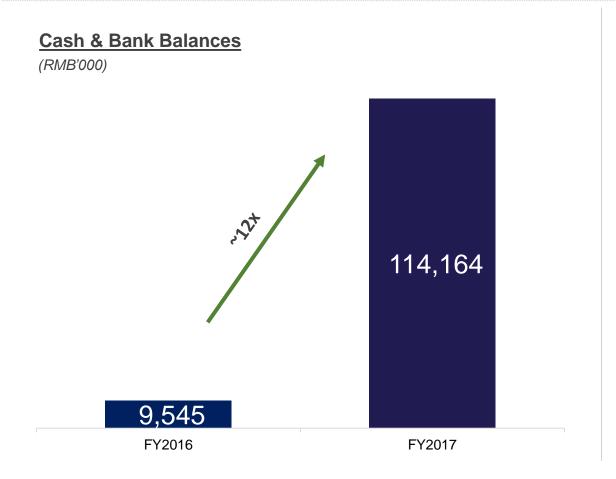
(62,236)

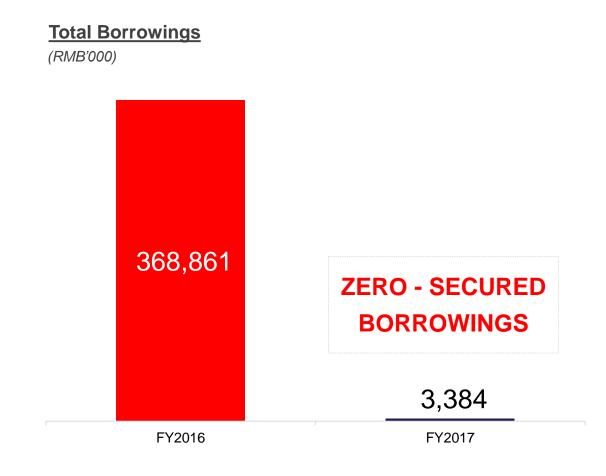
FY2016 FY2017

FY2016 FY2017



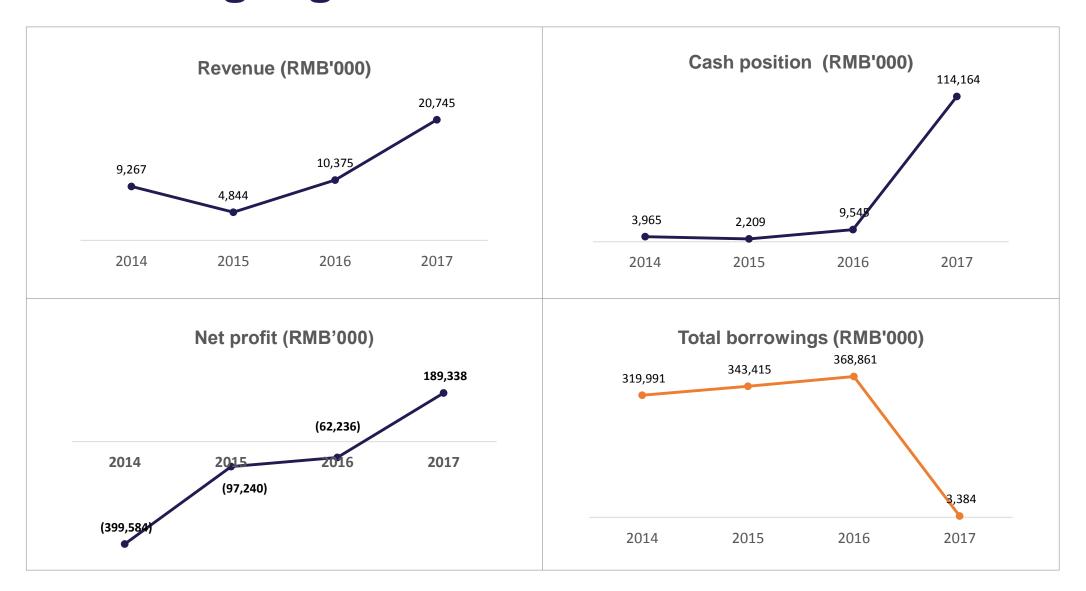
#### First Net Cash Position in 7 Years





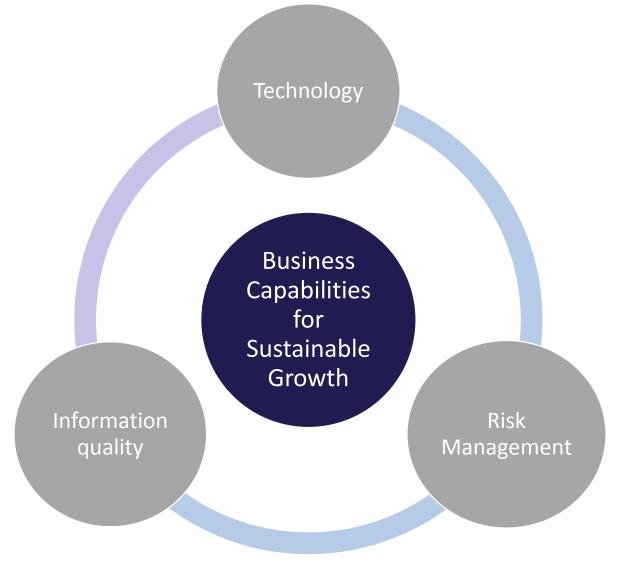


### Financial Highlights – 3 Years On





**Business Capabilities – Looking Ahead** 







Current Collaborations with R&D Institutions

- Setup of Oceanus Innovation Centre in Singapore and China
  - Test bedding of novel technologies
  - Technology Incubations
  - Acquisition of Technologies
  - Teaming agreement with Solutions Providers



#### **Current Collaboration Agreements with R&D Institutions**

















#### **Growth Acceleration**

#### **Technology / Methodology** Fast-growing Slow-growing **(S)** Tissue collection DNA **RNA** Protein 1. De novo genome 1. Candidate gene 1. Proteomics sequencing expression 2. Genotyping 2. Transcriptomics



# Capability Development Functional Feed





Development of Functional Extruded Aquafeed and Pelleted Feed



#### Current Outreach to other R&D Institutions:

- National University of Singapore
- National University Health System
- A\*STAR, IHPC, ETPL
- Singapore University of Technology & Design SUTD
- Singapore Institute of Technology SIT
- Singapore Management University SMU
- Nanyang Polytechnic, Republic Poly









Established in collaboration with MIT









#### Oceanus Innovation Centre in Singapore, Temasek Polytechnic







# :: THANK YOU



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