

Sentosa, September 18, 2019

An important milestone for renewable energy has been reached with the opening of the MAKO Tidal Energy Site at the Sentosa Boardwalk.

The launch of the MAKO Tidal Energy Site on 17 September 2019 follows signing of a collaboration agreement between MAKO Energy Pte Ltd and Sentosa Development Corporation (SDC) in December 2018 that allows MAKO Energy to use a part of the Sentosa Boardwalk as a testbed site for the installation of tidal turbines.

MAKO Energy is a Singapore-based marine renewable energy company and a subsidiary of the Elemental Energy Technologies Group. The site will demonstrate the unique, scalable tidal energy system under South East Asian conditions.

Elemental Energy Technologies Group CEO Douglas Hunt said: "A key objective for the tidal energy industry is to reduce the cost of electricity. At the Sentosa Boardwalk site, MAKO Energy is demonstrating how the unique scale of the MAKO allows it to be attached to existing infrastructure, which reduces both installation and maintenance costs."

The launch ceremony at the Sentosa Boardwalk, was attended by staff from Elemental Energy Technologies and local staff from MAKO Energy, together with around 30 attendees from Singapore based partners and potential customers, such as

- Mooreast Asia Pte Ltd - fabrication
- YWL Engineering - professional engineer services
- Ocean Works Asia Pte Ltd - resource assessment assistance
- NYK Group – business strategy for shipping industry

Enterprise Singapore (ESG) has been extremely supportive to MAKO Energy and future research at the site will involve other Singapore-based companies, including

- Forsee Power - energy storage
- ClassNK - certification services

MAKO Energy will also continue to engage Institutes of Higher Learning. For example, MAKO Energy has been collaborating with Dr. Srikanth Narasimalu of the Energy Research Institute at Nanyang Technological University.

Most importantly, the demonstration is to showcase the potential of the tidal energy system to future customers.

Eagle Industry has provided mechanical seals for MAKO Energy's turbine shafts for the demonstration of tidal power generation at the Sentosa Boardwalk.

Dr Uemura, Senior Managing Director/Division Manager of Engineering Division from Eagle Industry said, "We have high expectations for the Sentosa project as an opportunity to demonstrate the extremely low torque capabilities of our outstanding surface texturing seal technology."

MAKO Energy Chairman Dr Kenneth Burnett said: "The Sentosa Boardwalk demonstration site is a key element in our strategy to become a first mover in providing predictable ocean energy to the emerging Blue Economy in Asia then globally."

The Blue Economy is a term used to describe the various industries based around and in the world's oceans. These industries include aquaculture, transportation and energy generation. The Blue Economy will involve the sustainable use of ocean resources for economic growth, improve livelihoods and jobs and ocean ecosystem health.



Elemental Energy Technologies Group staff at the demonstration site and poster displayed at the opening ceremony on 17 September 2019



Group photo of attendees at the MAKO Energy, Sentosa tidal demonstration site opening ceremony on 17 September 2019