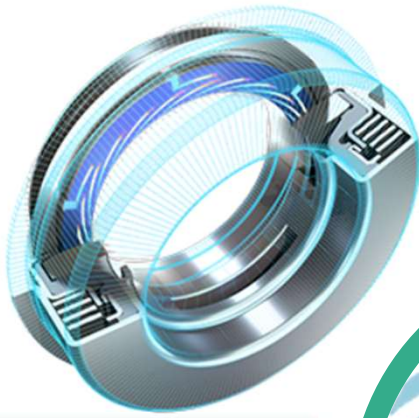
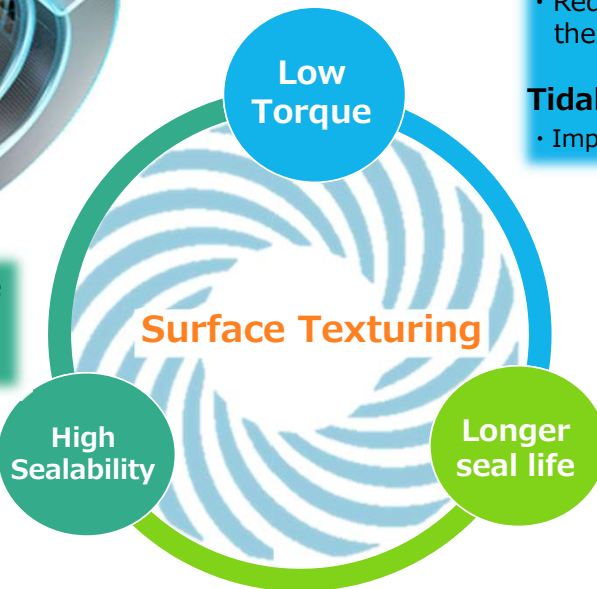


Texturing Technology as a Solution for Marine Application



- High sealing performance
- Water lubrication reduces environmental impact



Electric outboard engine

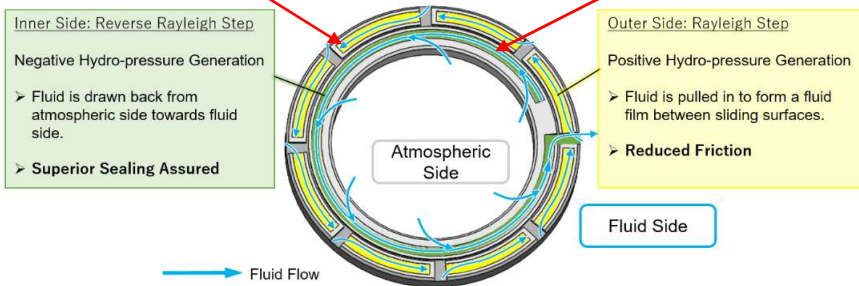
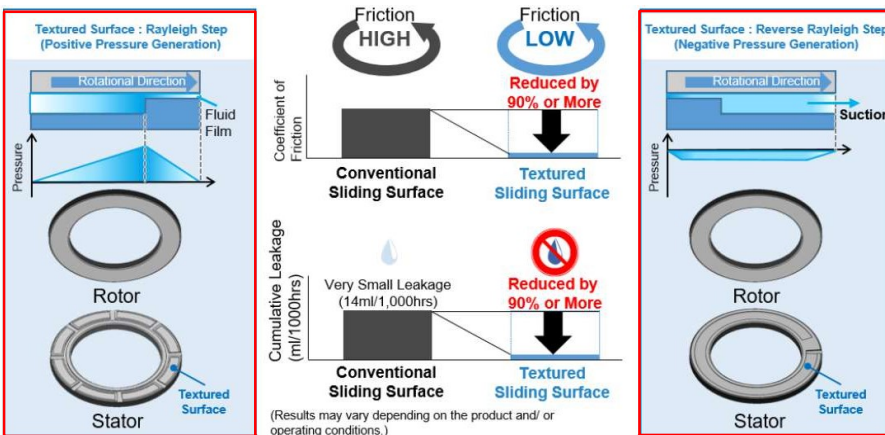
- Reduced power consumption
- Extended cruising range
- Reduced size and weight of the battery

Tidal power generator

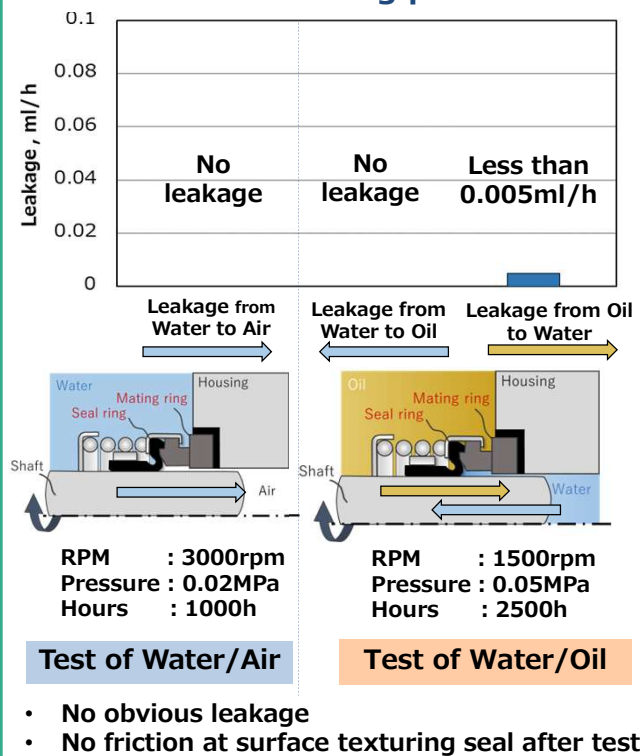
- Improved efficiency of power generation

- Reduced frequency of parts replacement
- Reduced maintenance cost

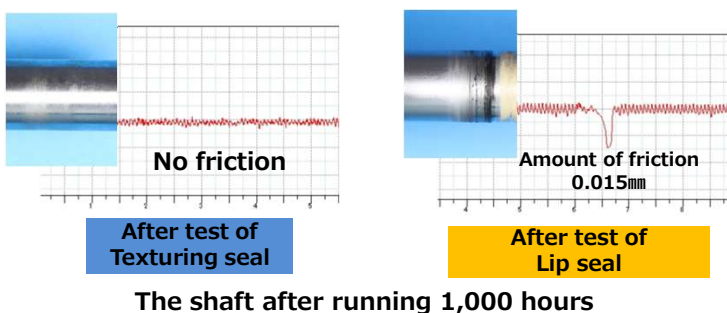
What is a Textured Surface?



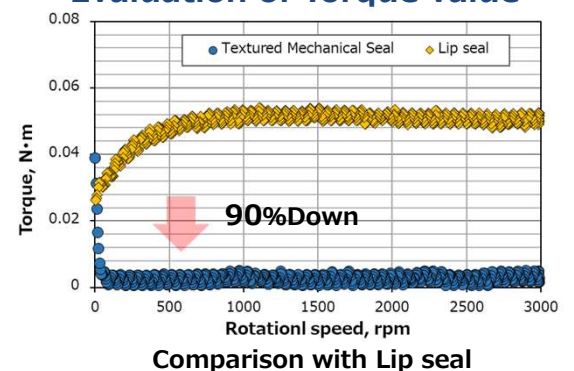
Evaluation of sealing performance



Evaluation of longer seal life



Evaluation of Torque value

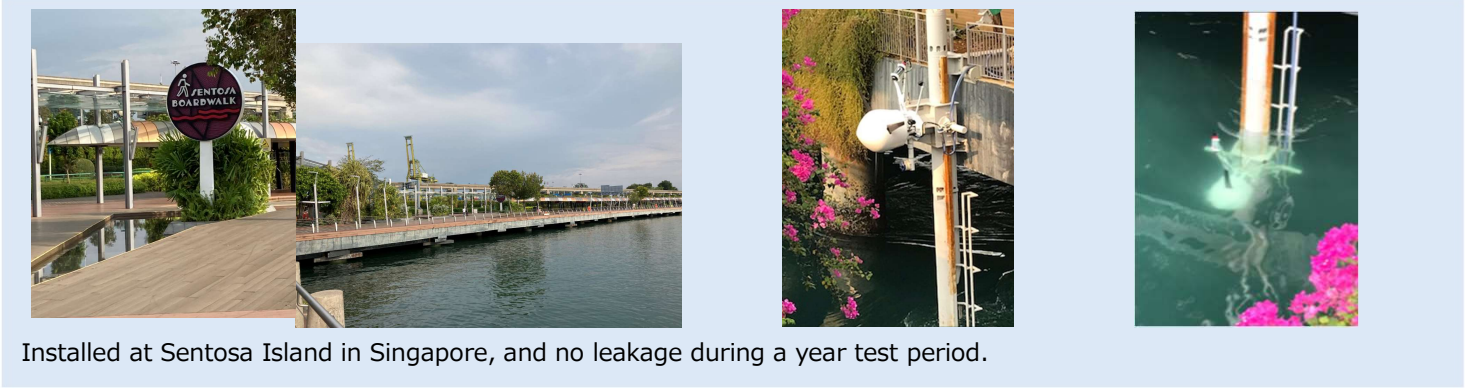


Achievement of Field Test

Tidal Power Generator

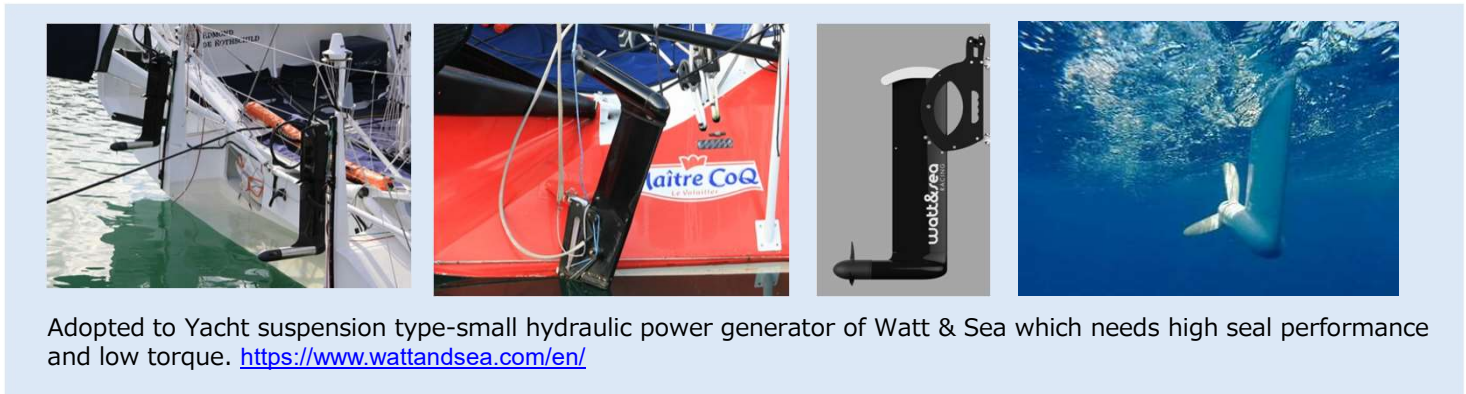


“Development Project of Counter-Rotating Type Tidal Stream Power Unit” supported by the New Energy and Industrial Technology Development Organization (NEDO) in Japan.



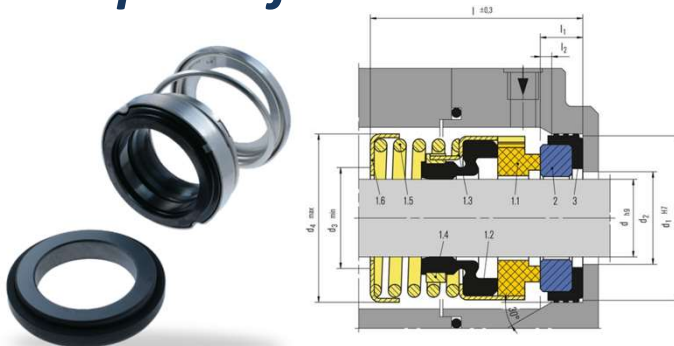
Installed at Sentosa Island in Singapore, and no leakage during a year test period.

Yacht suspension type-small hydraulic power generator



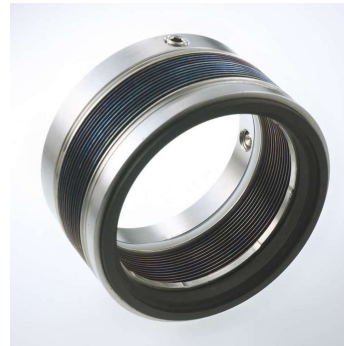
Adopted to Yacht suspension type-small hydraulic power generator of Watt & Sea which needs high seal performance and low torque. <https://www.wattandsea.com/en/>

Examples of Recommended Mechanical Seal



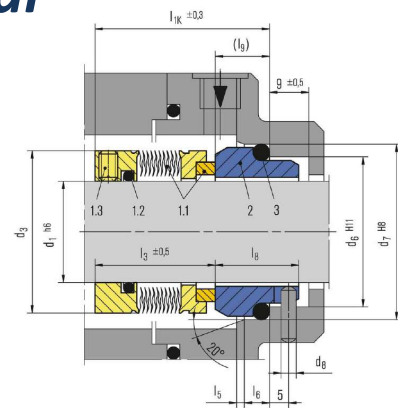
EA560

Shaft diameter (d): 8...50 mm



MBS100

Shaft diameter (d1): 20...100 mm



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