



# Mermaid Power Corp.

GLOBE 2014 Vancouver Canada

Founded in 2010 as a technology company, MPC is now primarily focused on marketing & support of its IP.

Our mission is to become the leading provider of near shore, small scale (25 to 100 kW), practical power plants that use waves as the prime mover.

## GLOBE 2014 OPPORTUNITIES

- Obtain a Unit
  - Be a Unit Rep
- Obtain an IP License
  - Be an IP Rep
- Obtain Shares
  - Be a Funding Rep
- Provide Expertise
  - Become a Director/Advisor

Get involved with Mermaid Power. . .

Be part of the Solution.

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Mermaid Power Corp. has developed proprietary clean energy technology for producing electric power from small near shore water waves.

Our business is to provide 25 to 100 kW power plants locally in British Columbia, Canada and to license the IP so others may provide our proven and practical power plants in their local waters throughout the world.

**Product / IP** The Mermaid Wave Energy Converter "WEC" is a proprietary weighted point absorber (producing a power stroke on both up & down oscillations) connected to a one way clutch-type wave energy reciprocating to uni-directional rotation converter.

A proprietary axial flux, permanent magnet, 80 pole, 3 phase alternator produces high voltage (400+ VAC) electricity from variable speed RPM (produced from the randomly variable waves) for transference via small diameter cable to shore where it is rectified and inverted for grid compliance.

This WEC system has been disclosed in CIPO patents: 2,808,614 & 2,838,176, & 2,839,172.

A PCT Application (No. PCT/CA2014/050206) for this IP has been filed.

**Sector** Cleantech, renewable energy, ocean wave power for the individual energy production niche (rather than for large scale region wide energy production).

The Mermaid Power product is for personal use, small business use (e.g. fishing camps, etc.) & sale of power. It works in small waves (20 cm to 2 m), a single unit is rated at 25 kW, four units in an array would produce 100 kW; 25 kW is equal to 208 amps at 120 volts – enough for a large house.

**Uses** The units are made specifically for sale of power through net metering and to produce power for off grid applications as a replacement / alternative to gas or diesel generators.

They are suitable for highly populated, protected water ways such as: Georgia Strait, Puget Sound, San Francisco Bay, the Great Lakes, the Eastern Seaboard, the Mediterranean Sea, the Baltic Sea, Sea of Japan, etc., etc. Anywhere except where the big (destructive) waves in the open oceans are.

**IP License** We license our IP, knowhow and trade secrets including architectural plans for a local manufacturing-maintenance facility. This enables the licensee to take advantage of financial incentives and subsidies available to cleantech renewable energy systems in their local area; to sell and support the units in their local language, to follow local regulations and to provide cleantech green employment for local citizens.