EWP - Addressing the global demand for renewable and affordable wave energy solution

• Established in 2011 and headquartered in Israel, EWP has developed proprietary technology for extracting energy from sea waves.

• **EWP completed** its wave tank testing and field testing in the Black Sea, and is currently installing a demo power plant in Jaffa Port, to be followed by a 5MW grid-connected power station in Europe.

• **Highly competitive & cost effective green solution** - EWP’s construction costs (around $1.1-$1.3 Million per 1MW), as well as production costs per KWh (up to $5 cents), were found to be the most competitive in the wave energy market. Moreover, construction and production cost is competitive compared to wind, solar and even traditional energy sources.


• **Global Spread** - EWP established two joint venture companies; in China (with investment from a Chinese Governmental fund) and Mexico (private investor from the Gas industry). In addition, the company has 35 exclusive agents worldwide

• **Projects pipeline** in capacity of 79MW (Locations: UK, Gibraltar, China, Mexico, Cyprus).

  • **A superior solution** - “Efficiently handling the prominent challenges prevailing in the field and offering an all-round solution for effective energy harvesting”. *Frost & Sullivan Product Award 2013.*

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**Projects Pipeline**

<table>
<thead>
<tr>
<th>Location</th>
<th>2015 Installed MW</th>
<th>2016 Installed MW</th>
<th>2017 Installed MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>10MW</td>
<td></td>
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<tr>
<td>Cyprus</td>
<td></td>
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<tr>
<td>Gibraltar</td>
<td></td>
<td>5MW</td>
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</tr>
<tr>
<td>UK</td>
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<tr>
<td>China</td>
<td></td>
<td>80MW</td>
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</tbody>
</table>

*EWP is in advanced stages for projects concerning 79 MW.*

*EWP has subsidiaries in Mexico and China*
The Technology

- EWP’s convertors draw energy from wave power throughout uniquely shaped floaters: the “Wave Clapper” and the “Power Wing” that rise and fall with the up and down motion, lifting force, change of water level, hydraulic air lock, and incident flux of waves.
- The floats are attached by robust arms to any type of structure, such as breakwaters, piers, poles, floating and fixed platforms.
- The system automatically recognizes upcoming storms and locks the floaters in storm protection mode.
- Transmission- The motion of the floaters is then delivered to shore by a subsea cable.
- EWP’s hydro pneumatic system (located on land, just like a regular power station), converts the energy from this motion into fluid pressure, which is used to spin a generator, producing electricity.

Technology Advantages - EWP offers A Superior Solution

- **90% of the system is on land** - All the conversion equipment operates on land, therefore the system is: Simple to build, maintain and operate and is extremely reliable.
- **No Environmental Impact** - EWP installs its energy convertors on existing, stable structures such as breakwaters and piers, thereby doesn’t harm the environment. EWP’s floaters will also prevent the erosive effects on such structures. The technology is emission-free, and with no noise pollution. Even the hydraulic fluid is biodegradable.
- **Cost Effective Green Solution** - “EWP’s construction costs, as well as production costs per KWh, were found to be the most competitive in the wave energy market.” Frost & Sullivan Award 2012.
- **Highly Reliable System** - EWP is mainly using “off the shelf” proven mechanical components, which in turn increase component reliability and widens the supply chain options.
- **Transmission** - Deep water systems lose efficiency due to power losses through long distances of expensive underwater transmission lines. EWP’s proximity to shore enables to keep minimal transmission costs.
- **Unique floaters design** - EWP puts an emphasis on adjusting its floaters to different locations, in order to maximize their effectiveness and minimize the risks of mechanical damages.

**Advantages:**
- Storm-protection mechanisms
- Easy and efficient maintenance
- Corrosion protection
- Shock-waves protection mechanism
- Lever regulation mechanism
- Float position regulation mechanism
- Flexible modular structure

**The “Wave Clapper” and “Power Wing”**

EWP examined different shapes, and chose those with the best performance.
Project EWP
Investment Overview
Leading developer of wave energy technology

Investment Highlights

- Favorable Market Trends - EWP offers a solution that meets the rising global demand for clean, renewable and affordable electricity.
- The World Energy Council has conservatively estimated the market potential for wave energy to be in excess of 2,000TWh/year, with a market value of 1$ Trillion worldwide.
- Low capital requirement due to highly competitive cost structure.

Gibraltar - 5MW PPA

- Project expected launch - 2015, Q1
- Construction period - 2 years.
- This project will be the first demonstration of a complete grid-connected, commercial scale EWP system.

Proposed Transaction

EWP intends to enhance its highly efficient and competitive technology, in order to maintain its position as a leading player in the wave energy market. The Company is seeking for a strategic global partner to increase its reach and to support the company’s current projects pipeline and long-term growth strategy.

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