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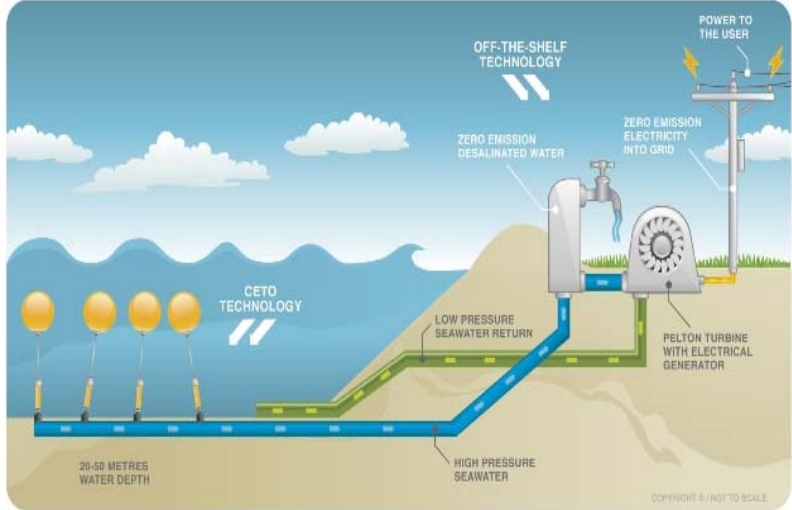
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## Wave/Tidal/Hydro



A diagram of the CETO System creating power and fresh water

# Wave power firm Carnegie granted investigation licence

Australian wave power technologist Carnegie has been granted an investigation licence by the state government for three potential development sites off Victoria.

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The company will have the option to lease one of the sites – located at Portland, Warrnambool and Phillip Island – with a view to setting up a commercial demonstration of its Ceto wave energy devices.

"We are pleased to have progressed our consents to licences and now have a clear pathway to lease an area of seabed for a commercial project," says managing director Michael Ottaviano.

The Ceto system is made up of an array of submerged buoys tethered to seabed pumping units.

As the buoys rise and fall with the passing waves, they drive the pumps which send pressurised water to shore through a pipeline to turn hydroelectric turbines, generating electricity.

The high-pressure water can also be used to supply a reverse osmosis desalination plant, replacing electrically driven pumps usually used in such facility.

Carnegie is the first wave energy company to win a site licence off Victoria.

According to a report by RPS MetOcean commissioned by Carnegie, Victoria has an estimated near-shore wave energy resource of 18 gigawatts, almost double the state's current installed power generation capacity.

In March, Carnegie began testing a Ceto system as part of a 5MW project located off Garden Island in Western Australia.

By Darius Snieckus

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