



# WAVE FARM | High-pressure flow for city power

# Tapping energy from the ocean

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PORT MacDonnell waves are being considered as an alternative energy source to power water-desalination plants to supply Adelaide.

The potential is being explored by Carnegie Corporation in talks with the State Government. The Perth-based company last week successfully deployed a wave energy prototype, called CETO 2, off the coast of Fremantle in Western Australia.

Carnegie - through British technology owner Renewable Energy Holdings - is the sole developer and operator in the southern hemisphere of CETO, or Cylindrical Energy Transfer Oscillating technology.

CETO can be described simply as a technology that pumps high-pressure sea water ashore for power or desalination use.

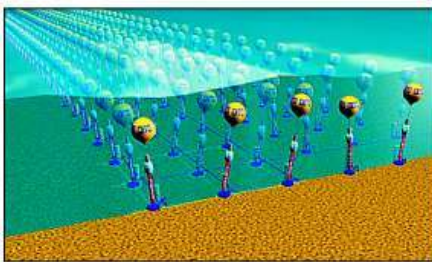
South Australia's MacDonnell region, off the coast of Mt Gambier, has a good wave-energy regime, Carnegie

Corp's managing director, Michael Ottaviano, told *The Advertiser*.

A CETO wave farm would operate well in the 2m wave-height range, which is quite common across SA.

Another possible location is on the Eyre Peninsula, which has significant wave-energy resources.

Both regions would be ideal to facilitate supply of power and desal water to Adelaide and also the mining industry, Mr Ottaviano said.



**FLOW EFFECT:** Drawing of a CETO facility.



**PROMISING POTENTIAL:** Carnegie Corp managing director Michael Ottaviano and, above right, a pump test off Fremantle.