

SUCCESSFUL CONCLUSION OF TAMAR RIVER TIDAL TURBINE DEMO

Sydney, April 30 2017 - Australian-based tidal turbine developer MAKO Tidal Turbines (MTT) has announced that the tidal turbine field demonstration in the Tamar River has now come to a successful conclusion.

The field demonstration of a MAKO1.2 tidal turbine was undertaken with assistance from the Australian Maritime College and AMC Search Pty Ltd, both part of the University of Tasmania.

"The pioneering project to deploy a MAKO tidal turbine in real-world conditions in Australia has been a great success and the next generation of products owe much to the lessons learned in the Tamar River together with AMC." said MTT CEO Douglas Hunt.



MAKO tidal turbine in an upright position before being towed to the deployment site at which point the fin holding the turbine was lowered to a vertical position to hold the turbine horizontally in the tidal flow to spin the five carbon fibre blades and produce electricity from the onboard generator.

The Tamar River is a tidal estuary in Northern Tasmania. The field demonstration project encompassed all aspects of tidal turbine deployment and monitoring over an extended period. The tidal turbine was fitted with a generator and produced electrical power as the tides flowed past a moored barge with the turbine attached underwater on a fin structure. For the Tamar River project, a swing mooring was used meaning that the entire barge and turbine were allowed to rotate as the tide flowed in and out so that the MAKO tidal turbine was always aligned in an optimal position.



MAKO tidal turbine attached to its purpose built floating barge at the deployment site in the Tamar River, northern Tasmania.

"The project taught us valuable lessons in areas where we predicted learnings would come, but more importantly it gave us important information in other areas including corrosion, bio-fouling and maintaining communications with equipment in remote locations." said Mr Hunt.

"More details of this project are available on the projects page of our website, www.mako.energy and we will be announcing deployment of our next turbine design in the near future.

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About MAKO Turbines

MAKO Tidal Turbines is a privately owned Australian company which has been developing tidal turbine technology for the last three years. Its corporate office is based in Sydney, while a team of engineering and production staff is based at its manufacturing facility in Alexandria, NSW.

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