

KINETIC HYDRO

Autumn 2021 Newsletter

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This newsletter gives a flavour of what we have been up to at Kinetic Hydro over the last few months. We hope to prepare these communications roughly every quarter, but if you don't want to receive our newsletters please let us know by sending an email to info@kinetic-hydro.com.

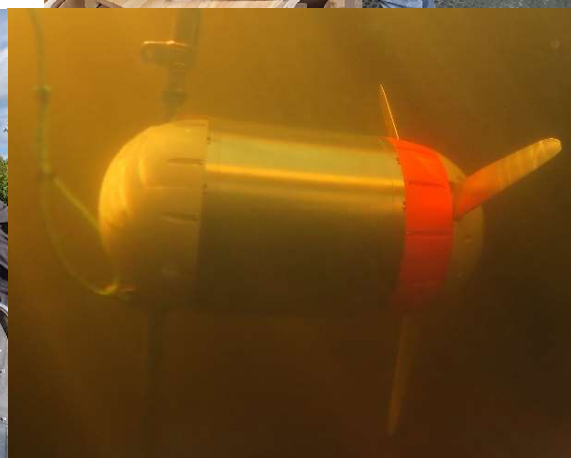
Building our Mk-I prototype

Over the summer we were joined by Raafey, a mechanical engineering student at the University of Edinburgh, who helped us build and then test our first prototype in the workshop. It was great to see the design finally start to take shape and to prove that our generator performed as expected. Great work Raafey!



Getting wet... and producing first power!

Just by chance we picked the hottest September day in Scotland for 115 years to put the turbine in the water for the first time. We also had a stunning day in Inverness for our preliminary performance tests. They went extremely well, achieving the primary objective of producing first power, and providing plenty of insight into the work that is still required for our Minimum Viable Product. We owe a huge thanks to Allan Thomson who provided the boat for us, and to Brian (the skipper) and all the guys at Caley Marina for being so helpful and letting us use their excellent facilities.



Assess a river from your laptop

How can you tell the speed and depth of a river using only freely available satellite data? That is the challenge that we set the team at the University of the Highlands and Islands. With support from the Knowledge Exchange Innovation Fund, UHIs Research Assistant, Shirley, has been assessing the feasibility of this approach. It would give us a very powerful tool to explore our market and will be essential for cost effective development of future projects.

Angels wanted!

We have reached a stage where a small amount of equity investment would go a long way towards making our ambition of helping to solve the energy access challenge a reality. We already have some friends and family lined up to invest and are close to reaching our £50k target. If you are interested, or know someone who might be, please get in touch.

BREAKING NEWS: KINETIC HYDRO KICKS OFF SMART:SCOTLAND GRANT FUNDED PROJECT

Kinetic Hydro have been awarded a £100k grant by Scottish Enterprise to fund the next stages of our technology development. The project commenced at the beginning of October and will demonstrate "plug-and-play" integration of our technology with solar-hybrid mini grids, including control of our generator using off-shelf MPPT controllers, and provide verification of the turbine's performance. We will also build our first pitch control system and trial it on the Mk-I turbine.