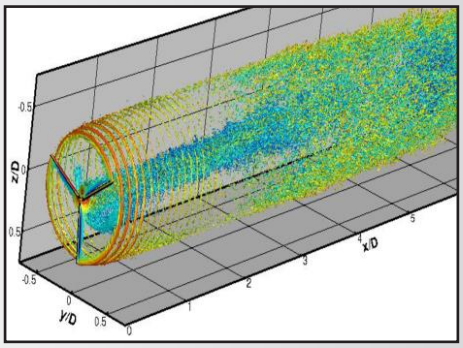
KINETIC-TURBINE

Small hydrokinetic that works

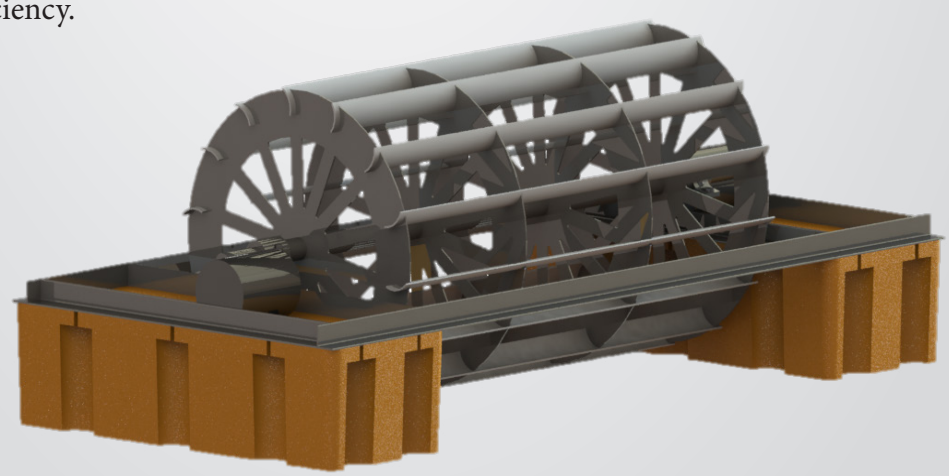
Flow: 1.0-5.0 m/s/s | Power: Up to 10 kW per unit

The KINETIC-Turbine uses a combination of an efficient axial flow propeller and advanced controls to deliver efficient power at economically viable rates.



Rickly Crossfloat Turbine:

The crossfloat turbine captures energy by using the attached flotation rafts to stay on water surface where deployed. The turbine runner closely resembles that of a crossflow turbine and spins with forces provided by natural flow velocity in the water way. Currently these units come in 1 and 2 kW power sizes with scalable potential topping out at 5 kW per unit. Each unit comes equipped with the Permanent Magnet Generator (PMG) and Variable Frequency Drive (VFD) concept for optimal efficiency.

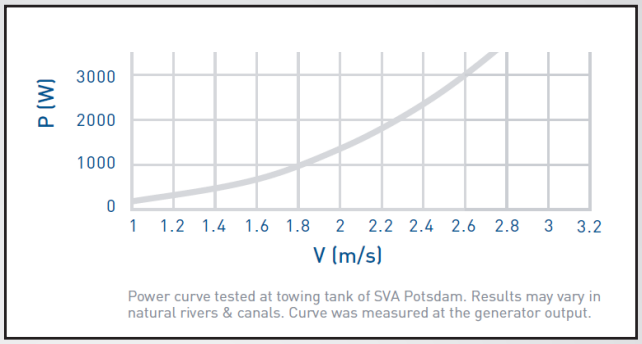


Rickly

Harnessing the World's Water

Why the Kinetic-Turbine?

EASY TO INSTALL
The Kinetic-Turbine uses a set of compact, modular designs to support fast, easy installation with no civil work.



LOW IMPACT
The low speed design and open blade minimize adverse environmental impact.

COST-EFFECTIVE
The combination of the efficient turbine, advanced controls, and a flexible mooring system create a cost effective system.

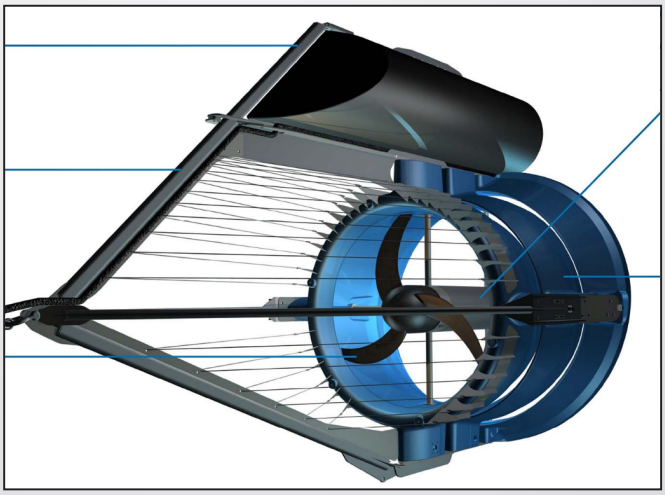
Indonesian Telecom

As the Indonesian Telecom industry grows, with it grows the need for distributed power. The Kinetic Turbine was used to power an Indonesian Cell Tower.

FLOAT SYSTEM
Maintains a safe and efficient water level for the system while submerging during periods of high debris flow.

ROTOR
Curved blades deliver efficiency and improve performance against debris.

GENERATOR
Submersible permanent magnet generator and rectifier provides grid sync



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