

WESGen™

The 21st Century Hydro-Electric Generator

Local Power on a Global Scale
from Rivers, Seas and Streams

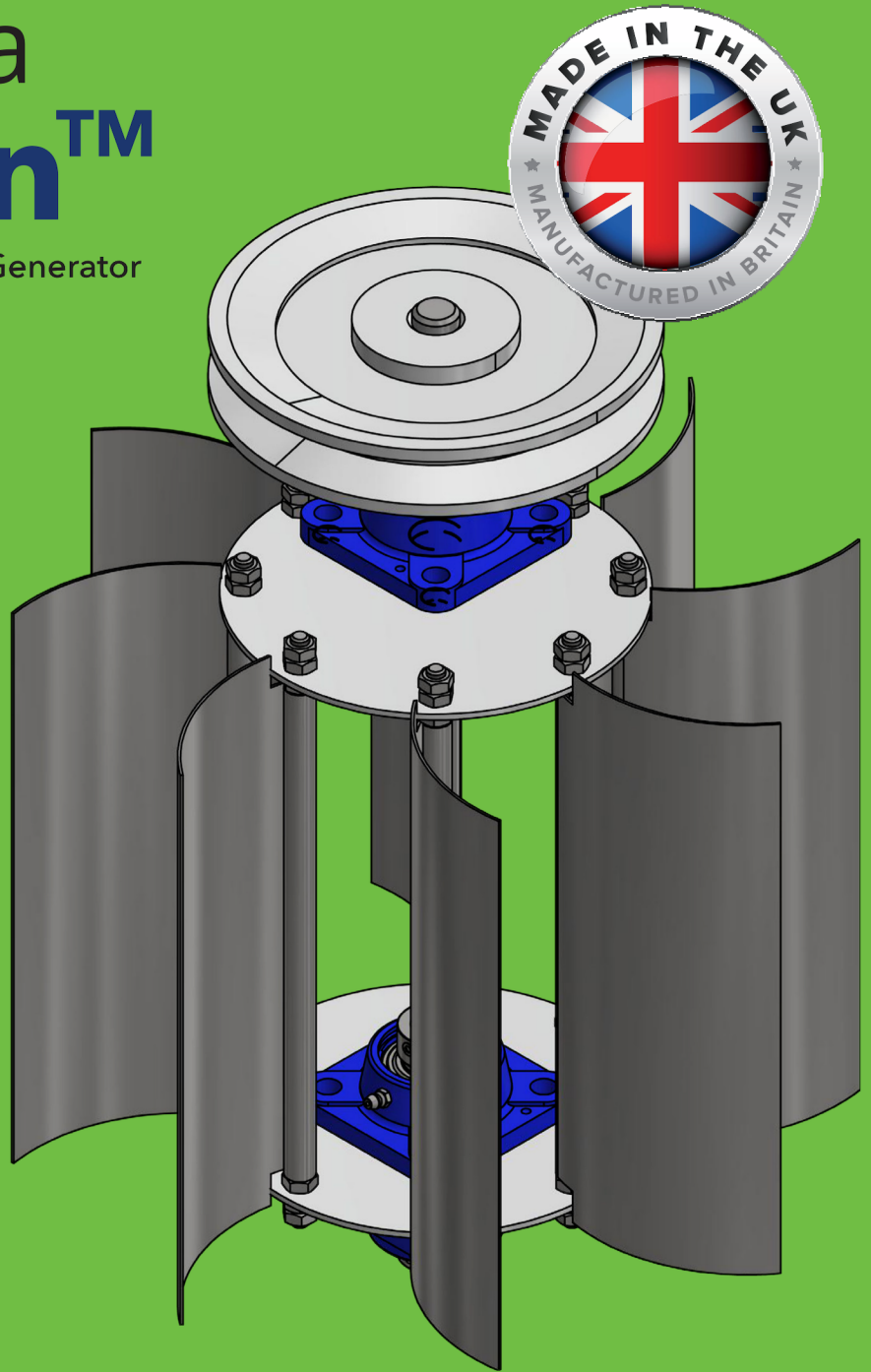


What is a **WESGen™**

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Water Energy System Generator

WesGen™ is an omni-directional Turbine with folding blades, capable of generating power in flowing water from any direction. All that's needed is a suitable stretch of water and a mooring point.

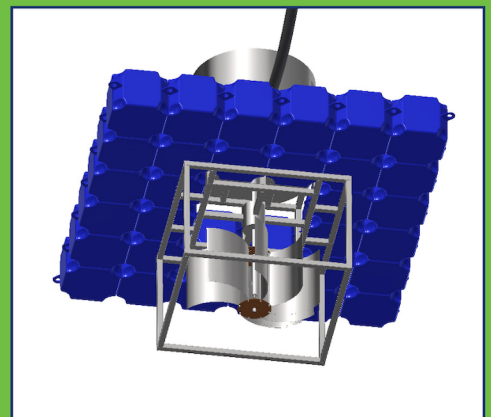


River powered WesGen's can be floating on a pontoon, or mounted on a bridge or quay. The turbine connects directly to an array of compact, low friction alternators, designed with a life cycle of 20+ years and producing up to 100KW at 400V, 24/7.

The power is transferred via cable to land and stored in a bank of batteries, either in the customer's premises, or in an outside container. Stored power is then called off when required, transformed to any voltage & frequency required.

Vastly scalable, large power requirements can be met by simply adding more generators, more WESGen's and/or more battery capacity. Extra power can be sold to the National Grid at an additional profit.

Micro power generation on a Macro scale!





WESGen™

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Battery Storage & Distribution

ISO Container For
easy transporting

3 phase 125A
sockets

Extraction fans

Forklift Pockets For
easy transportation



30 KVA Inverter
Charger

Hydro Charge
Controller

Lithium Ion or
AGM
Batteries

6 x 32A
programmable
sockets

Touch screen
user interface



A range of capacities



Economics

WESGen's are currently available in power generating capacities from 10KW to 100KW. Electricity generated can be used directly by the customer, substituting expensive fossil fuel generated power from the grid, for clean, green power from nature.

Because rivers flow 24/7, 365 days a year, power is always available, unlike Wind or Solar alternatives. Also, reduction in CO2 emissions may bring additional tax benefits.

Example of Green Economics:

In an optimal location, a 100KW WESGen™ operating at 85% capacity, with an up-time of 48weeks/yr, will generate over 685,000KW/yr. Replacing bought-in grid power at a nominal price of 34p/KWh. ROI will be Ca. 15 months**.

**** Contingent on a satisfactory site survey, battery numbers and set-up.**



Weston Handling Ltd Registered in England: No. 12228905.
t: +44 (0) 7917 864802. | Email: steve.w@h2o-genics.com Web: <https://whcltd.com>

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