

# ABOUT SPINERGY

Pipe Power™ is a new way of generating power - for a new generation of energy conscious consumers and corporations.

Hydrospinerger™ technologies, designed and developed by Australian company, Spinerger Pty Ltd, are making global debut at the Hydro2017.

Spinerger's proven management team has a sound balance of highly innovative designers, practical project managers and an executive team which has taken early stage technology companies to listing, and managed early stage technology companies on the ASX and FTSE.

Spinerger is approved by the Australian Government as a Research and Development entity. Our strategic alliance partner in UK and European markets is babyHydro Ltd, a Scottish company with an exceptional reputation.

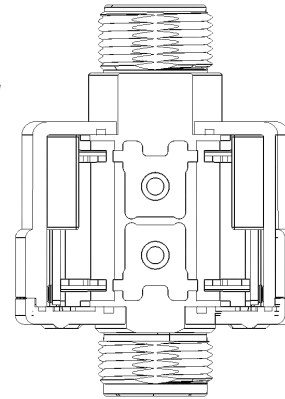
- Reduce costs to governments, agriculture, commerce, industry and infrastructure
- Supply power to remote residences or to the local grid
- Minimize water wastage
- Enhance soil quality
- Decrease greenhouse gas emissions.



# ABOUT THE TECHNOLOGIES

Hydrospinerger™ generates power by Working With the Earth®.

Spinerger's patented technologies provide clean, low cost power generation using flow and pressure in existing pipe infrastructure, to create in situ energy for real time monitoring and management of pipeline networks and drive instrumentation and telemetry equipment.



The key innovation feature of our technologies is that the entire generator is housed within the pipe, ie there is no mechanical connection to the outside of the pipe, there are no shafts and no seals required.

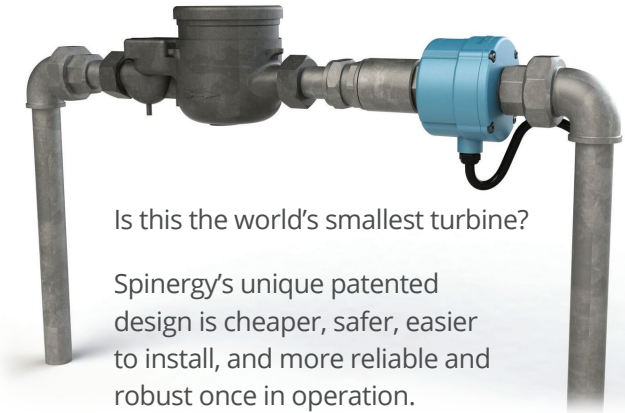
This means that the entire system is embedded within the pipe, unlike conventional systems which have the mechanical moving parts extending to the external side of the pipe, requiring significant periodic maintenance.

Spinerger's Pipe Power™ enables the expansion of smart grids for agricultural, irrigation and household networks, reducing carbon emissions and allowing access to carbon credits.

By installing Spinerger's technologies in infrastructure pipelines people in remote communities can have access to power.



# 25MM PRODUCTS & USES



Is this the world's smallest turbine?

Spinerger's unique patented design is cheaper, safer, easier to install, and more reliable and robust once in operation.

Simplicity of design, scalability and robustness of construction and a longevity of 12-15 years makes Hydrospinerger™ products particularly appealing for remote sites.

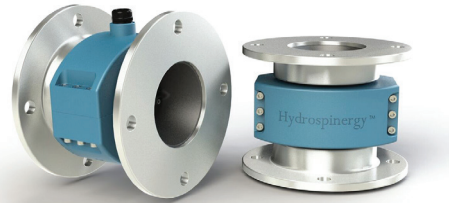
The 25mm Hydrospinerger™ integrates seamlessly has a range of uses including integration with a great range of instruments for condition monitoring, data transmission, and power supply for uses not supplied by the grid:

- 25mm, embedded within a water meter - 6V AC and 20 milliamps sufficient to power telemetry and maintain charge to a lithium cell - generator and battery will last 10 years
- 25mm generator - generates 40V AC and 500 milliamp - can power acoustic devices
- Irrigation management in field or glass houses
- Powering security devices and shut off valves in remote areas
- Hydrospinerger™ Inflowmatic™- logged and real time data - alerts to over use of water, will shut off water if it detects a burst pipe.

# 100MM PRODUCTS & USES

There is a vast supply of energy all around us, going unutilised.

This can be harnessed from magnetic fields and the energy of fluids moving through pipes under pressure. Hydrospinerger™ transforms excess energy from the hydraulic flow in pipes into usable electricity providing power for instrumentation, lighting, metering, data transmission and power for remote sites.



100mm Hydrospinerger™ units are ideal for commercial agriculture, infrastructure powering remote pipeline security systems and a range of industry uses. Capture energy as a byproduct from desalination, mining or nuclear plant operations and recycle it for lighting, or back up power.

Spinerger generators have numerous design features:-

1. Compact system
2. Low maintenance costs, very limited requirement for periodic inspection after installation
3. Consistent power output – whether day or night and regardless of weather conditions
4. Hydrospinerger™ has no shafts or seals to break down under pressure
5. Can be run in series or in parallel
6. Easily fitted into any pipeline / piping system
7. Low carbon footprint in manufacture and operation.

# TECHNICAL DATA

	25mm Generator	100mm Generator
Output Voltage	208V AC Peak-to-Peak	198.4V AC Peak-to-Peak
Output Current	23.04mA	1.3A
Frequency	270Hz	710Hz
<i>*Additional data may be supplied under Confidentiality Agreement</i>		

# IS THIS THE WORLD'S SMALLEST GENERATOR?



### Contact us:

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Working With the Earth®

