

Overview

Leviathan Energy's Benkatina™ is an in-pipe turbine which converts water flow and pressure into electricity, with the unique advantages of maintaining your downstream pressure and achieving high efficiency even with variable flows. The Benkatina™ is a superior solution for water-system energy generation needs for all of the following reasons:

- Quick installation and immediate benefit
- Easy to maintain
- Affordable
- Durable
- Water-based solution using familiar principles and methods

Locations

The Benkatina™ generates power by utilizing the pressure and flow of water systems at a wide range of sites, including:

- Tanks, pipes, and reservoirs in remote locations. Perfect for rural electrification and irrigation systems.
- All municipal and transport water systems.
- Many other types of industrial water such as heating and cooling systems, etc.



Applications

The electricity generated by the Benkatina™ has many applications, including:

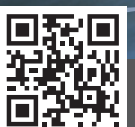
- Feed in to grid for sale or internal use
- Charging batteries to operate SCADA equipment, water-quality equipment, lighting, security cameras, irrigation equipment control, etc.
- Local grids for rural electrification
- Piping systems for pressure reduction while producing energy

Benkatina™ Product Details

- The Benkatina™ includes:
 - A turbine
 - A generator
 - Optional customized sensors and electronic sub-elements
- The current Benkatina™ model can be used in various configurations, and can be adapted to various pipe sizes:
 - Unit Size: Approximately W 100 x L 110 x H 106 cm
 - Customized Power Capacity: Currently up to 10 Kilowatts, scalable for larger sizes
 - Output Voltage: Suitable for configurations of up to 500 volts. Suitable for 12, 24, and 48 Volts batteries
 - Flow Range: One example is 10 L/sec (36 m3/hr) to 20 L/sec (72 m3/hr)
 - Pressure/head range: Usually 10 to 80 meters (1-8 bars).

Additional sizes and power capacities are available.

Please contact our sales representative for additional assistance and information about on-grid applications.





Testimonials

“ We had a pool at a remote location where it was extremely difficult to establish electrical connections to the main electrical grid. We set up the Leviathan Energy turbine system, and, thanks to the turbines, we're able to maintain a reliable operation there. The turbines provide all of our electrical needs without any power outages, completely replacing the electrical grid; the turbines power the water pumps, the security system, and the lighting system. Working with Leviathan Energy was a delight. Without a doubt they are a wonderful company and it's very worthwhile to work with them.

Amos Golan, Project Manager for a contractor to a major utility in Israel”

“ In recent years, my company partnered with Leviathan Energy to implement Benkatina™ water turbines in the Philippines. We're in the final stages of the first project with them in the southern Philippines which was successful. The turbines are operating to the satisfaction of all parties, including the national and local water companies.

Yoram Sirton, Metrotech Ltd.”

About Leviathan Energy

With over half a decade of experience in the field, Leviathan Energy produces state-of-the-art technologies to produce energy in environmentally friendly ways.

Leviathan Energy consists of a dedicated team of veteran professionals, experts in a range of fields, and is led by hi-tech pioneers with decades of experience. The company has earned both the Eureka and Eurogia labels for excellence in technology.

In addition to its revolutionary Benkatina™ hydroelectric turbine, Leviathan Energy produces a range of renewable energy products, including wind-power and wave-power devices.

Contact

Please address further questions to your Leviathan Energy representative or to:

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