“Volturnus” is a modular hydro device that uniquely harnesses the untapped power of flowing water in rivers, oceans, and manmade canals, to produce emission free energy, cost-effectively. Volturnus is designed for rugged-reliability, it deflects debris in the water and prevents clogging and jamming; insuring around-the-clock energy production. Its simple components are designed to be ultra-low maintenance, for years of reliable performance.

Through our capital raise, we will begin engineering and manufacturing a commercial scale Volturnus. Concurrently, Verterra will pursue pilot projects and customers while working with our strategic partners and collaborators for sales and distribution of Volturnus; deployed in arrays called V-PODs, ranging from five to hundreds of units.

Our mission is to bring renewable energy to the 1.2 billion people currently without power. Our goal is to become the go-to solution for developing regions, while helping to reduce their dependence on fossil fuels, and furthering humanitarian efforts globally.

Advisors From:
- Boeing
- Department of Energy
- Winrock
- Defense Alliance
- AMEC Foster Wheeler
- Fish & Richardson P.C.

Capital Raise
- **$5 Million:** Engineer and manufacture commercial scale Volturnus for demonstration project. Collaborate with strategic partners on sales and deployment of V-Pods.

Patents
- 3 US Utility Patents 8,487,468 B2;
- Foreign Filings in 8 Countries and the EU
- TURBINE SYSTEM AND METHOD 14/925,000
**Site Requirements**

- **Deployment Depths**: 1.5-3 meters
- **Water Velocities**: 1.5-3.0 MPS
- **Min. Channel or River Width**: 4 meters

**V-POD Performance**

- **35% Efficiency**

![Graph showing V-POD performance](image)

**Value Proposition**

**Customer Benefit:** The commercial customer pays an average effective rate of **3.8 cents/kWh** (with 90% operational capacity, 6.8 cents/kWh at 50% capacity) for 10 years; **dramatically lower energy costs v diesel generators which can be well over 50 cents/kWh.**

![Fuel savings vs 40 kW Diesel Generator](image)