**Press Release – September 25, 2017**

**AMJET** now taking orders for the innovative **in-line ATS-8 turbine/generator**

**AMJET** Turbine Systems, LLC is now taking orders for the in-line ATS-8 hydroelectric turbine/generator (up to 50 kW). The unit can be used for energy recovery power generation from water conduits, pipelines, dam penstocks and low level outlets by inserting the in-line unit. It replaces pressure reducing energy dissipation in municipal water lines, dam penstocks and irrigation canal drops where energy is otherwise wasted. Its 8-inch diameter size, compact turbine/generator configuration allows for a simple flanged insertion into conduits from 12 to 18 inches diameter.

The innovative ATS-8 design is much smaller and weighs 5x less than conventional generating systems of equivalent power. The unit is manufactured with high strength composites using 3D printing. Its compact modular electronics, allows for simple, commercial standard 480-volt 3 phase grid interconnection. No powerhouse or complicated foundation is required. The ATS-8 unit operates above or under water. The unit is modular, low weight and can be truck- or container- shipped to any location. The total installation can be accomplished in less than one week. The low cost, low weight and in-line installation significantly reduces hardware and installation costs and provides faster investment recovery.

The ATS-8 operates at pressures up to 70 psi (162ft head) and uses variable speed, water flow and water pressure control, maintaining a preset energy recovery or down-stream pressure. This provides flexibility in application with constant high efficiency. In applications with higher flows more than one ATS-8 unit in series or parallel may be applied. AMJET’s variable speed technology maintains constant high efficiency over a wide operating range. The possible applications include municipal water systems, water pipelines, canal head drops, low level dam outlets and many other applications not possible with conventional hydraulic turbine systems.

The first ATS-8 was sold at the 2017 HydroVision International Conference, to be placed in the penstock of a small dam in the Sawkill Creek in Annandale, NY, purchased by Bard College and funded by NYSERDA, the NY State Renewable Energy Development Authority.

The ATS-8 was tested and validated by the IIHR Hydroscience and Engineering laboratory of the University of Iowa. The ATS-8 is the smallest of the ATS line of turbines. The largest turbine, the ATS-63 (200-2500kW), is in production with the first unit to be installed on the Brainerd Dam in the Mississippi River in Minnesota. The ATS-32 (50-850kW) is in development stage. This Unit is also to be 3D printed of high strength composite materials avoiding the conventional manufacturing phase (tooling) altogether reducing delivery time and cost. Please call (319) 524-0900 for your application review and quotation today. Design assistance is available. Email: info@amjethydro.com
AMJET Turbine Systems’ ATS-8 Hydropower generator ready for operation (up to 50kW)