

Manufacturing timeline

Approval of CAD sketches and concepts from workshop technicians

Turbine design research to maximize axial flow and desired torsion

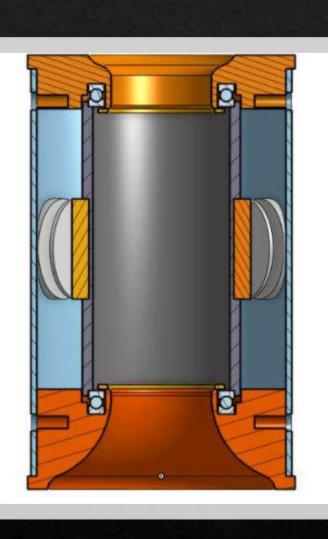
3D printing of said turbines

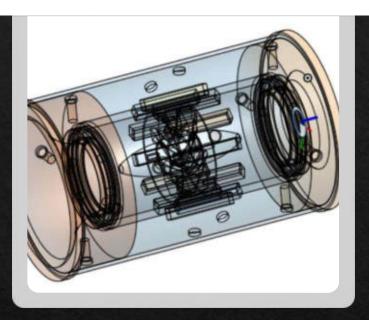
Manufacturing of casing and bearings, ordering of materials.

Assembly and pitch to class for design optimization

Testing for AC output using oscilloscope, consulted with EE's

Success! A peak of 10V with manual rotations

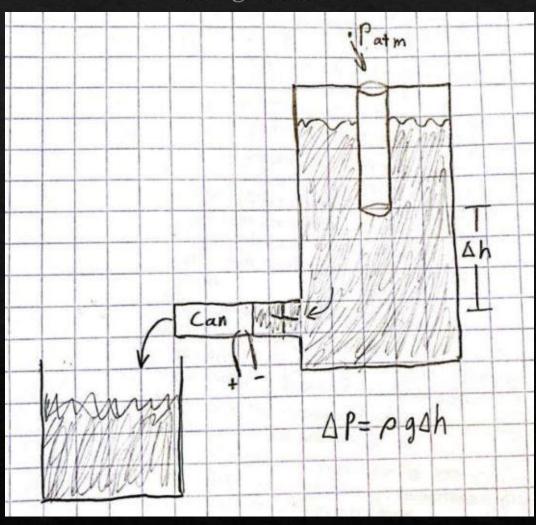






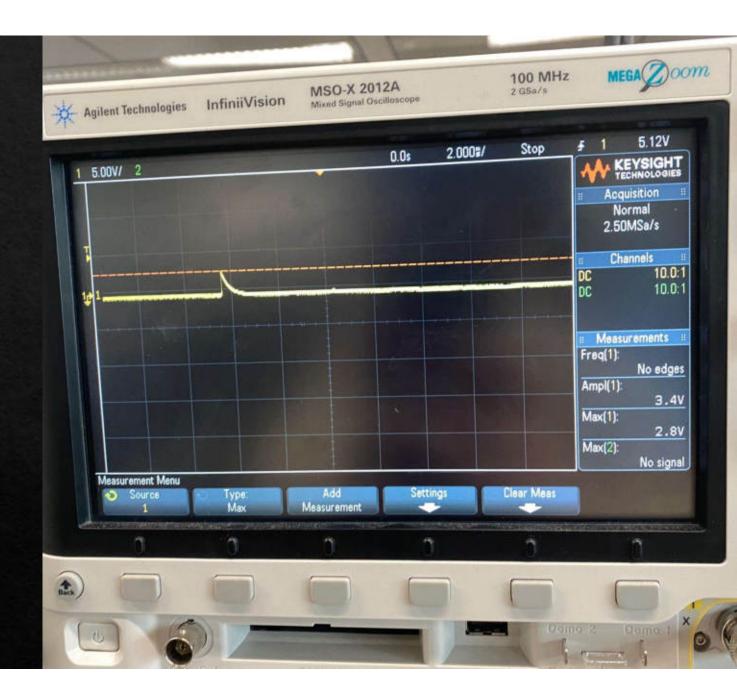
Inner workings and Principles

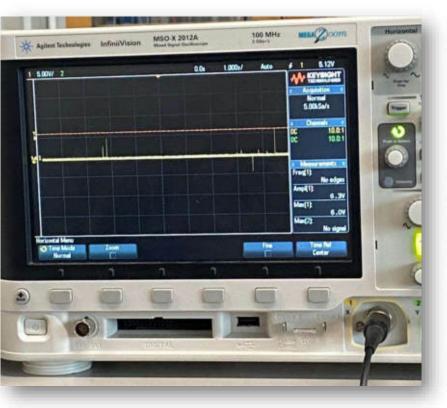
Testing Procedure



Actual Procedure

-First testing consisted of wiring up one set of coils to see if any alternate voltage was being generated by the hand -induced rotation







Second series of tests