Surface Powered Energy

Team: Thomas Elliott, Adam Zeman, and potentially......... YOU!!
Our Mission:
To connect with cleantechno to test alternative energy designs that can replace invasive dams.

Our Goals:
• Energy/Torque Analysis comparisons of new designs.
• 3D Print Prototype
• Develop optimal fluid dynamic flow conditions and test efficiency
History

- Water Wheel
  - Pelton Wheel
- Transverse Horizontal Axis Water Turbine (THAWT)
  - 3125 m3/s generating 5.3 MW
- High gear ratio from epicyclic gearing allows low flow & high output