Case Study - Tipton Roller Mill

Small commercial micro-hydro installation

2.6m head
Tipton Roller Mill

**Case Study:**
- **Site:** Tipton Roller Mill
- **Turbine:** Ritz-Atro Archimedeian Screw
- **Power:** 28kW
- **Head:** 2.6m

- Western Renewable Energy (WRE) was appointed to negotiate licenses, design and install complete system

- Site specific issues include:
  - Hugely difficult abstraction license process
  - Good quality river with migratory fish
  - Expected to be relatively straight-forward construction
Weir, leat and mill site
Electro-fishing, access, turbine location
Excavation
• On time
• On budget
• Peak power and energy capture on target