



# *Case Study - Tipton Roller Mill*

*Small commercial micro-hydro  
installation*

*2.6m head*

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# Tipton Roller Mill

- **Case Study:**

- Site: Tipton Roller Mill
- Turbine: Ritz-Atro Archimedean 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



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# Electro-fishing, access, turbine location



# Excavation



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- On time
- On budget
- Peak power and energy capture on target