

# Wallbridge Mill



- On confluence of River Frome and Rodden Brook
- Mill on site since Domesday Book
- Last used 1968 for animal feeds
- Derelict by 1999



- Mill machinery left behind
- 19th century turbine
- Shafts, flywheels and millstones



- Decision taken to use power for house
- How much power?
- How noisy?
- How reliable?
- How expensive?
- Help!



# The experts

- Hydro consultants
- Millwright
- Environment Agency
- Electricity company
- Electricians
- Ofgem

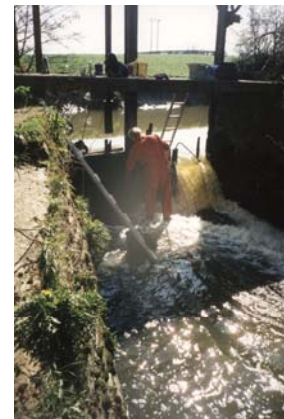


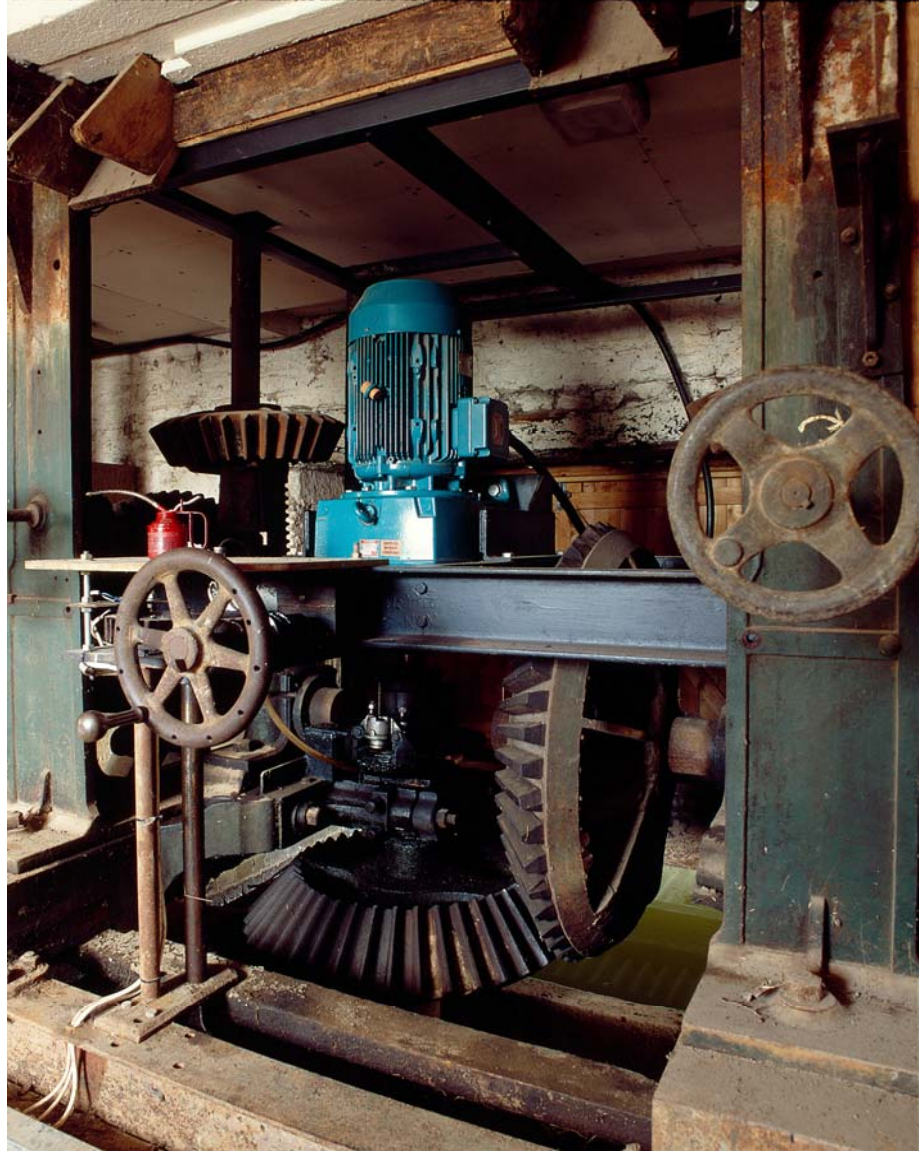
# Repairing gates and sluices



# Repair and install

- Turbine overhauled
- New gearbox
- New generator
- Electronic controls
- Meters and switches





# Costs and benefits

- Highly site specific
- Our example - total cost approx £23,000
- Big items - generator, repairs, control boxes, associated electrics and testing - turbine if needed
- Income
- 35,000 units generated per year @ 6p = £2,100
- Unassisted payback 10-12 years
- Really renewable



# South Somerset & Mendip Mills Groups



Gants Mill, Bruton

- Owner, Brian Shingler, with Mainscon control unit



- Belt-driven generator



Gants Mill, Bruton

# Renewable

