DECADES OF ENGINEERING EXCELLENCE ENABLE US TO DESIGN AND MANUFACTURE STEAM TURBINES SPECIFIC TO YOUR UNIQUE APPLICATION AND PROJECT NEEDS.

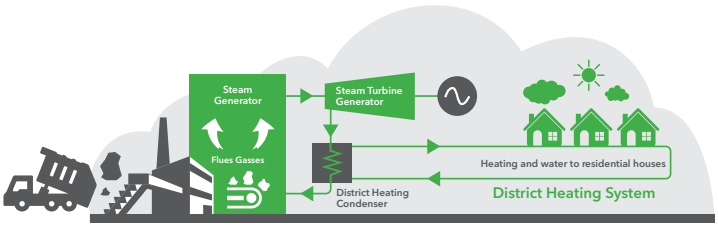
Specialist application design – powering business across a range of industries

Energy from Waste

Peter Brotherhood has been engineering energy from waste systems globally since the 1950's. Our solutions are used across a vast spectrum of applications where waste can be used as a fuel to heat steam and drive a turbine generator set to produce power.

A Peter Brotherhood condensing steam turbine in a UK energy from waste plant generates power from steam raised by the incineration of meat and bone meal. In addition to the 9.1 MW turbine generator set and water-cooled condenser, the company was also responsible for the supply of a weatherproof acoustic enclosure over the complete unit.

A client in Spain has installed an 8 MW condensing steam turbine generator set in an olive waste fired power plant. The turbine is used to supply the plant's steam requirements and the electricity generated is sold to the Spanish grid.



OPPORTUNITIES TO PRODUCE ENERGY

- Biomass
- Landfill gas
- Sewage digester gas
- Mines gas
- Coke oven gas
- Refinery flare gas
- Bagasse & other agrifibres
- Clinical waste
- Sewage sludge
- Coppiced wood
- Sawmill / wood processing waste
- Forest residues
- Municipal solid waste (MSW)
- Refuse-derived fuel (RDF)
- Meat and bone meal (MBM)
- Used vehicle tyres
- Olive-milling waste (OMW)

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Generating power and revenue from waste

Location: UK
Market: Waste-to-Energy

Meat & Bone Meal (MBM) fired waste-to-energy plant harnessing a Peter Brotherhood steam turbine to generate 14 MW of green energy.

- Local waste is used to provide power back to local homes and industries
- Our extensive experience in the waste-to-energy market ensures an efficient, reliable grid compliant machine to maximise up-time
- Another repeat customer, which endorses the equipment and overall service that we supply

Peter Brotherhood has considerable experience in waste heat recovery and combined heat and power projects. We are able to deliver to extremely short delivery deadlines.