

POWER GENERATION

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Boilers

- Specification and selection
- Heat balance and system design
- Sizes 10,000 PPH to 650,000 PPH

Turbines/Generators

- Steam & gas turbines
- Condensing & backpressure turbines
- System P&ID documentation
- Foundation design
- Tie-in to existing piping systems
- Control system design

Cogeneration

- Gas turbine with direct heat to process
- Gas reciprocating engine generator

Materials Handling

- Hog fuel preparation and conveying
- Ash conveying
- Petroleum coke handling
- Paper mill sludge pressing & conveying

Pollution Control Equipment

- Wet scrubber
- Electrostatic precipitator
- Low NOx burner
- Flue gas recirculation
- SNCR

Power Distribution

- Substation design
- Transmission line design
- Overhead & underground system
- Power management system
- Power system studies

Ancillary Systems

- Power system design
- Steam and condensate system
- Chemical feed systems
- Cooling towers
- Water treatment
- Plant utilities
- Foundation design
- Lighting design

General Engineering Services

- Preliminary engineering
- Project budgeting
- Equipment specifications
- Site development
- Building design
- Construction engineering support



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