

FIELD ENGINEERING SERVICES

A trusted advisor for your
equipment and operations.

From concept and commissioning to maintenance and modifications, **Thermal & Power Engineering** helps keep industrial equipment operating safely, reliably and efficiently.

Troubleshooting & Condition Assessment

Operating-data review, inspections and diagnostic testing to identify root causes. Support includes nondestructive testing, pressure-part assessment, mechanical and structural evaluation, tube failure analysis and code compliance.

Startup, Commissioning & Project Support

Organized startup planning, engineering-system integration and structured turnover. Engineering studies, upgrades, capacity increases, fuel switching, natural gas conversions and replacement-part planning.

Boiler Performance

Optimization of air and gas flow, burners and grates, pressure parts, heat transfer surfaces, air heaters, controls, valves and fans to improve performance and efficiency.

Environmental Performance

Air quality control system analysis, performance improvements, upgrades and replacement-part recommendations for utility and industrial applications, regardless of equipment manufacturer.

Outage Planning & Support

Plan and manage outages with safety and on-time completion as priorities. Coordinate equipment evaluations, maintenance and labor needs, replacement parts and support materials.

Technical Training

Equipment operation and maintenance training, including job-specific tasks for plant personnel, to support safety, reliable performance and reduced downtime.

CORE CAPABILITIES

- Performance troubleshooting
- Fuel analysis and loss-on-ignition (LOI) testing for ash and ESP protection
- Condition assessments
- Startup and commissioning
- Project support
- Boiler efficiency enhancements
- Outage planning and support
- Equipment upgrades
- Nondestructive testing
- Technical training

SYSTEMS SUPPORTED

Boilers and auxiliaries • Wood products drying • Thermal oil • Emissions control
• Heat recovery steam generators • Power plant equipment

LET'S TALK ABOUT YOUR NEXT CHALLENGE.

(404) 580-6169 | info@thermalandpower.com | thermalandpower.com