

**CAPABILITY SHEET**

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## Rotary regenerative and tubular air preheater services for power generation facilities

MAC Industrial provides comprehensive air preheater (APH) repair and refurbishment services for coal, gas, and biomass-fired power generation facilities. Our crews are experienced with Ljungström tri-sector and bi-sector rotary regenerative designs as well as tubular and plate-type APH configurations.

We execute APH work during planned outages and forced outage conditions, with pre-positioned specialty tooling and documented procedures that minimize downtime and restore thermal efficiency.

- Basket/element replacement — hot, intermediate, and cold-end layers
  - Rotor and housing seal replacement and adjustment
  - Bearing inspection, repair, and replacement
  - Drive mechanism repair and alignment
  - Cold-end corrosion repair and lining application
  - Post-repair leak testing and efficiency verification
  - APH washing and cleaning services during outage windows
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- ASME PTC 4 — Fired Steam Generators performance testing
  - ASME B31.1 — Power Piping for connected systems
  - OSHA 1910.146 — Permit-Required Confined Space Entry
  - OSHA 1910.147 — Control of Hazardous Energy (LOTO)