

CAPABILITY SHEET

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

- 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)