



Hudson Cooling Solutions™

Air-Cooled Heat Exchanger Performance Enhancement Service

HUDSON PRODUCTS CORPORATION offers users and operators of Air-Cooled Heat Exchangers an invaluable source of expert knowledge and advice for performance enhancement of existing equipment through **Hudson Cooling Solutions™** services.

Hudson Cooling Solutions Services

Determine Current Performance

Site condition assessment:

- Detailed mechanical inspection including plenums, fins, headers, fans, drivers and mechanicals
- Air and thermal performance measurements employing state-of-the-art instrumentation
- Thorough technical evaluation of data

Maximizing Potential Heat Duty

Field assessment data is analyzed and simulated utilizing:

- Thermal modeling of tested heat exchanger utilizing Heat Transfer Research Institute's (HTRI) program
- Evaluation of hot air recirculation as necessary utilizing proprietary CFD (Computational Fluid Dynamics) tools



Full scale on-site fan performance testing.

For more information on this or any other product, please contact:

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In addition to providing the highest quality Air-Cooled Heat Exchangers throughout the world, **HUDSON PRODUCTS CORPORATION** also provides expert after sales service . **Hudson Cooling Solutions™** offers the expertise gained over 60+ years to assist the Air-Cooled Heat Exchanger user with a single source solution for determining current and maximizing potential performance from existing equipment of any manufacture.

Report and Recommendations

- Detailed written report of current conditions
- Specific recommendations for performance enhancement

Implementation of Recommendations

- Field supervisory or implementation services
- Mechanical component maintenance or replacement
- Bundle retube or replacement



Air-Cooled Heat Exchanger Performance

Hudson Products Corporation is alone as the world's only Air-Cooled Heat Exchanger manufacturer also fabricating axial flow fans. For many years Hudson's Tuf-Lite® fans have set a standard for performance and efficiency in air-cooled heat exchangers and cooling tower applications throughout the world. The combined knowledge of fans and air-cooled heat exchangers gives Hudson knowledge and experience that is **second to none**. This expertise is available to the air-cooled heat exchanger user through the services of Hudson Cooling Solutions.

