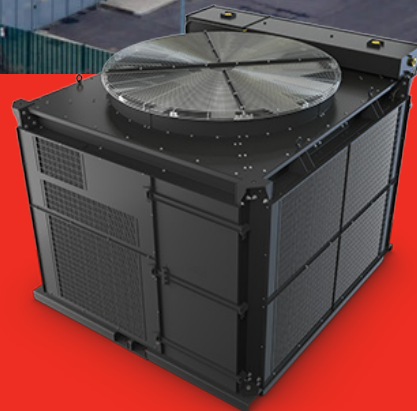
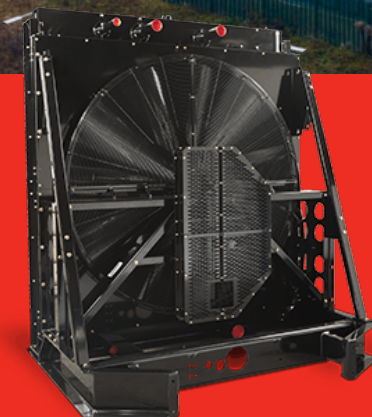


POWER GENERATION

HEAT EXCHANGER OVERVIEW



An industry leader in the design and manufacturing of air-cooled heat exchanger solutions for the Power Generation markets.



Power Generation

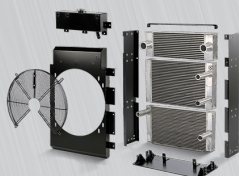
Power generation facilities operate in some of the most demanding thermal environments across any industry. Whether harnessing energy from fossil fuels, nuclear reactions, or renewable sources like wind and solar, every stage of the generation process involves precise heat management, from the initial combustion or conversion cycle through to the final delivery of electricity to the grid.

At General ThermoDynamics & Airtech, we engineer custom and standard heat transfer solutions designed to meet the full spectrum of thermal challenges in power generation.

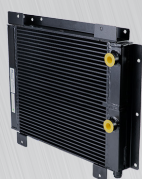
Our products support critical heating and cooling requirements including turbine lube oil cooling, generator cooling, transformer oil cooling, air intake cooling, condenser and feedwater heating, and waste heat recovery. We serve both renewable and nonrenewable energy applications, helping operators maximize thermal efficiency, reduce downtime, and extend the service life of essential equipment — because in power generation, every degree of performance matters.

Strategic Advantages

- Trusted for more than 140 years
- Crafted in the United States
- Global presence with strong local service and sales coverage
- Broad, single-source product portfolio
- Custom engineered, system-level and component solutions
- Versatile mobile and stationary application capabilities
- Proven performance in demanding engine applications
- Engineering, application, and ETO expertise
- Industry-leading product development, simulation, and testing
- Rapid prototyping and collaborative design capabilities
- Flexible low- to mid-volume manufacturing
- World-class lean manufacturing, quality, and delivery
- Market-focused, customer-centric approach
- Digital tools enabling ease of doing business
- End-to-end lifecycle support from design to aftermarket
- Close customer partnerships across the lifecycle
- Heat exchanger repair and remanufacturing services



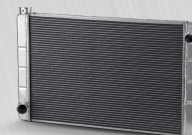
Air Cooled Systems



Aluminum Oil Coolers



Aluminum Charge Air Coolers



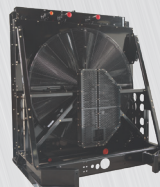
Aluminum Radiators



Bar and Plate Heat Exchangers



Cooling Modules



Copper-Brass Radiators



Frac Pumper and Remote Cooling Module Cube



Modular V-Bank System



Power Converter Coolers



Remote Cooling Kits



Turnkey Radiators

Tech Center



Our Tech Center capabilities include:

Performance Validation and Enhancement

- Performance testing of new or existing designs with service fluids including Water and Glycol
- Bench test comparison testing between API Heat Transfer designs and designs by other manufacturers
- Test facilities for Pasteurization, Evaporation and Dealcoholization running with original customer's products

Buffalo Lab

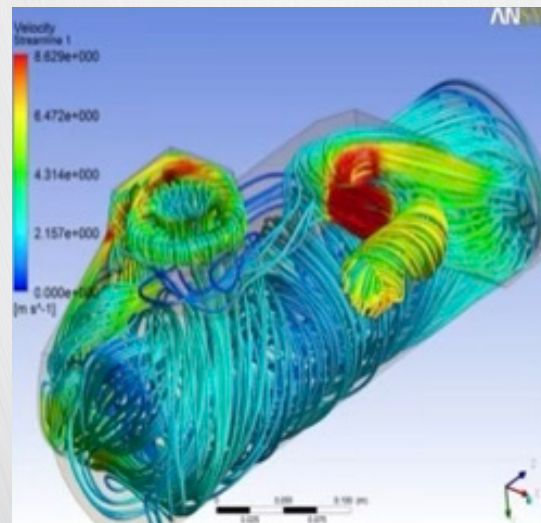
- Calorimetric Performance Testing
- Pressure and Thermal Cycle Testing
- Computational Fluid Dynamics (CFD)
- Thermal Contact Resistances Measurement

Bretten Lab

- Single phase flow stands for thermal performance and pressure drop testing
- Pilot plants
- Utilities

Our fully equipped multiple-disciplinary Technical Centers in Buffalo, NY and Bretten, Germany are available for expert application engineering, metallurgical and analytical support. Working with our customers and OEMs, we provide heat exchanger performance modeling, performance analysis and mechanical testing.

- Integrated heat transfer performance test platform.
- Sophisticated laboratory analytical services providing metallurgical, chemical and polymer analysis using EDS x-ray, FTIR and DSC, as well as a wide array of mechanical and material properties analysis.
- Durability, life cycle and corrosion testing platforms to validate designs and optimize materials and performance.
- Providing the technology and expertise to support the development of new products to meet the current and future needs of our customers.



Franklin Facility
4700 Ironwood Drive
Franklin, WI 53132, USA
+1.414.761.6711

Your trusted advisor for innovative, high-quality heat exchanger solutions engineered to optimize performance and meet your most demanding applications.



Mobile & Stationary Generators

Typical applications

- Data Center Power
- Primary Power
- Standby Power
- Motor Cooling for Portable and Stationary Units,
Taking into account:
 - High and Low Environmental Conditions
 - High Altitude
 - Quiet Environments
- Peak Shaving
- Installation of Power Modules
- Soundproof Housing
- Gland Steam Condensation
- Lube Oil Cooling for Gas Turbine, Steam Turbine and Wind Turbine applications
- Process Heating and Cooling
- Fuel Cell Cooling

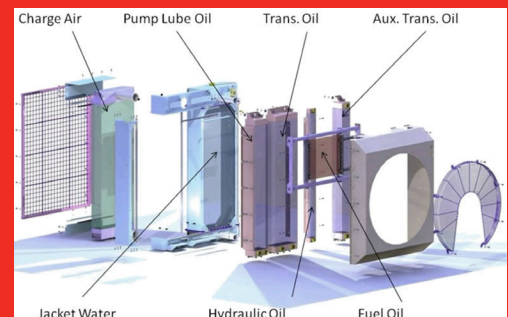
Connect with Our Franklin, WI Facility



API-FRA-Sales
@apiheattransfer.com



gt-airtech.com



See how our performance can improve yours.

Contact your General ThermoDynamics/AIRTECH sales rep or visit gt-airtech.com

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TTP Thermal Transfer Products
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BASCO
AN API HEAT TRANSFER COMPANY

Schmidt
AN API HEAT TRANSFER COMPANY

API Heat Transfer, a family of high-performance brands