EVAPCO for LIFE

EVAPCO is more than a name. We are a global innovator in heat transfer solutions for the commercial HVAC, industrial refrigeration, power and industrial process markets. We pledge to make everyday life easier, more comfortable, more reliable and more sustainable for people everywhere.

WHO WE ARE

In 2011, EVAPCO and Beijing Longyuan Cooling Technology Company, LTD (BLCT) joined forces to pursue the global Air Cooled Condenser (ACC) and hybrid cooling market for the power industry. The company formed is a United States-based company serving the global market named EVAPCO-BLCT Dry Cooling. We are dedicated to servicing the power industry with innovative and state-of-the-art water conserving condensing products. With a 100% dry cooled, or hybrid solution, EVAPCO-BLCT’s systems are installed where water is most valuable.

WHAT WE DO

EVAPCO-BLCT specializes in the design and supply of ACCs and ACHEs for the power industry. EVAPCO-BLCT has over 5000 MW of operating references in the United States and is considered a premier ACC supplier for the global power market. With a 100% US-based execution team and experience in supplying ACCs globally, Evapco-BLCT has the knowledge of designing to the codes and regulations of any region in the world.
RESEARCH & DEVELOPMENT

EVAPCO’s Wilson E. Bradley Research & Development Center has 10 test laboratories including eight environmental chambers, a sound test pad and a water analytical lab. These facilities provide EVAPCO dedicated R&D space to produce industry leading products in real-world conditions.

EVAPCO-BLCT’s thermal components are tested and validated in this state-of-the-art laboratory, which provides the capability to investigate ACC heat exchanger performance under real-world conditions. EVAPCO’s laboratory is the only laboratory in the world with the capabilities to test full size ACC heat exchangers in a controlled environment. This provides EVAPCO the unique advantage to optimize the ACC design with unprecedented precision and to fully understand phenomena such as freezing, air in-leakage, impingement, flow accelerated corrosion (FAC) and air side pressure losses.

PROVEN TECHNOLOGY

The EVAPCO-BLCT single row finned tubes are installed and operating in more than 45 power plants with a combined electrical generation capacity of over 20GW. Installed in the majority of ACCs worldwide, this fin/tube technology is proven and has developed into the industry standard today.
EVAPCO now has the capability to supply all air-cooled heat transfer equipment required for the power industry. Our latest heat transfer solutions are the factory-assembled eco-Air Series of dry coolers, air cooled condensers and adiabatic coolers and condensers. Often, due to site constraints, when an air cooled steam condenser is required for the steam cycle, an air cooled heat exchanger is also required for auxiliary cooling.
When compared to traditional flat air cooled heat exchangers, the V Series air cooled fluid cooler allows for a reduced footprint and reduced auxiliary load consumption. Additionally, the modularized design allows for a high level of factory assembly, including only one terminal point per bank for all control and power connections.

Whether it is field erected or factory assembled EVAPCO-BLCT has the air cooled product for your power plant.
From traditional construction to any level of modularization, EVAPCO-BLCT has the proven capabilities to provide ACCs tailored to any site. In some instances, due to laydown restrictions, labor restrictions or other reasons, multiple levels of modularization may be desired. EVAPCO’s team has executed ACC projects with various construction features from stick built to two cells fully assembled offsite.

EVAPCO-BLCT’s focus on constructability allows for time and money savings during construction.
EVAPCO-BLCT offers a number of services, including:

- Mechanical equipment inspections
- Internal and external fin tube inspections
- Fin tube cleaning systems
- CFD modeling
- Structural evaluations

- ACC thermal performance evaluation
- ACC tube bundle replacement
- Dry to hybrid and wet to hybrid cooling system conversion
- Wind screen evaluation
- Reconfiguring ACC operating logic

Regardless of the Air Cooled Condenser OEM, EVAPCO-BLCT can support any ACC spares requirement. Through strong relationships with key suppliers, EVAPCO-BLCT can supply spare parts at competitive rates. Components commonly needing spare parts include:

- Fans
- Motors
- Gearboxes
- Steam jet air ejectors
- Vacuum pumps
- Rupture disks
- Vacuum breaker valves
- Isolation valves
- Cleaning system components