

ADVANCED TECHNOLOGY™

ACC



ENGINEERED &
MANUFACTURED BY



FEATURING THE
nuCore™
HEAT EXCHANGER

Technology for the Future...Available Today!

Advanced Technology™ ACC Features & Benefits

The Advanced Technology™ ACC featuring nuCore™ Heat Exchanger tube bundles provides two important benefits that make it the new standard in air-cooled condensing:

- Superior Thermal Performance
- Significant Installation Cost Savings

The Advanced Technology™ ACC was engineered with three primary objectives:

- Reduce the amount of job site labor required
- Improve safety for site erection
- Reduce cost with improved heat transfer

Advantages of the nuCore™ Heat Exchanger include:

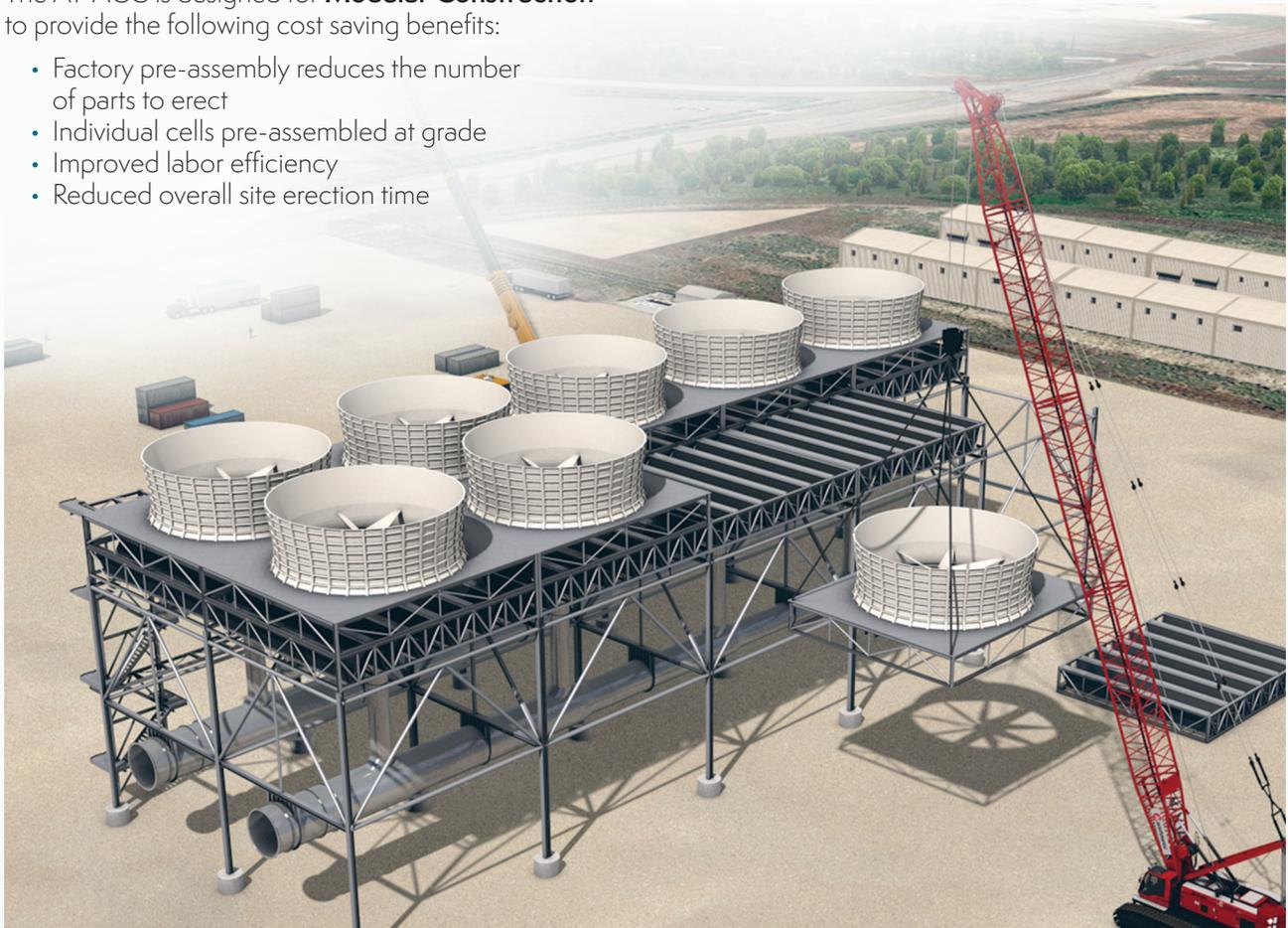
- Improved heat transfer efficiency
- Factory welded headers
- Reduced fouling potential
- Improved freeze resistance
- Reduced sub-cooling

The AT-ACC is designed for **Modular Construction** to provide the following cost saving benefits:

- Factory pre-assembly reduces the number of parts to erect
- Individual cells pre-assembled at grade
- Improved labor efficiency
- Reduced overall site erection time

Benefits of AT-ACC Induced Draft Technology:

- Fans located above the heat exchanger module
- Reduced potential for recirculation
- Lower overall unit height
- Less risk of fan vibration caused by high winds



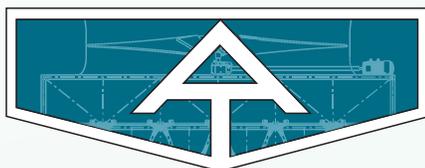
Air-Cooled Condenser Research & Development

Since its founding in 1976, EVAPCO, Inc. (parent company of Evapco Dry Cooling, Inc.) has been committed to heat transfer research and product development. It is our mission to offer industry-leading heat transfer technologies and innovative product designs in the markets we serve. The Wilson E. Bradley Research & Development Center located at EVAPCO's World Headquarters in Maryland demonstrates our commitment to on-going research. The R&D Center consists of ten laboratories, eight of which are fully instrumented environmental test chambers, a sound test pad and a water analytics laboratory.

In 2012, an ACC Heat Exchanger Research Laboratory was commissioned to perform advanced research on full-scale ACC heat exchanger bundles using steam in a vacuum to simulate actual system conditions. The ACC Research Laboratory was later expanded to include an Advanced Technology ACC Test Cell. With the addition of the ACC test cell, engineers are able to evaluate the following characteristics of the **nuCore**™ Heat Exchanger through a wide range of operating conditions:

- Thermal performance
- Steam Flow distribution
- Oxygen Content
- Subcooling
- Freeze Resistance
- Fouling
- Accumulation of Non-Condensables

EVAPCO's ACC Heat Exchanger Research Laboratory is the only one of its kind in the world with the capability to test full size ACC heat exchangers using the actual fluid they are designed for, steam under vacuum. This provides Evapco Dry Cooling the unique advantage of optimizing the ACC design with unprecedented precision and to accurately evaluate the thermal performance of the **nuCore**™ Heat Exchanger.



**ADVANCED
TECHNOLOGY™**
— ACC —



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