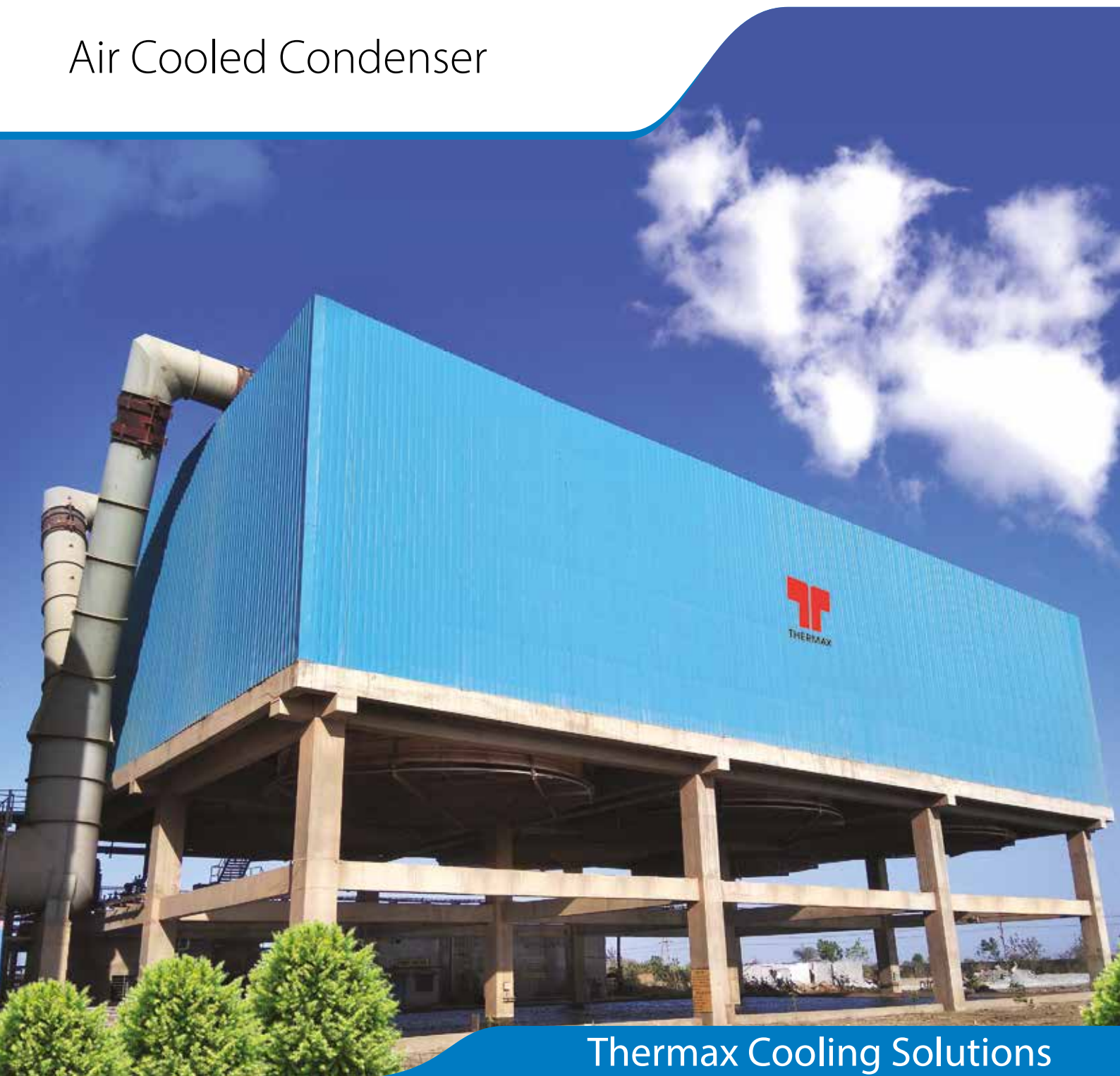


Air Cooled Condenser



Thermax Cooling Solutions

Conserving resources. Preserving the future.

Thermax provides systems and solutions in the critical domains of energy and environment. The products and services developed by Thermax help industries achieve better resource productivity and improved bottom lines, while maintaining a cleaner environment. The company's vision for the future is firmly anchored in the belief that, to stay competitive, business houses need to adopt sustainable practices.

Thermax's product portfolio covers heating, cooling, water and waste management, and specialty chemicals. The company also designs, builds and commissions large boilers for steam and power generation, turnkey power plants, waste-to-energy systems and air pollution control projects.

Thermax Cooling Solutions Ltd

We offer various wet & dry cooling solutions to remove heat from different process & manufacturing industries. The range of wet & dry cooling solutions uses air, water or a combination of both as medium of heat rejection. This keeps the process fluid/refrigerant properly cooled and increases the efficiency of production processes and operations of equipment.

Air Cooled Condenser (ACC)

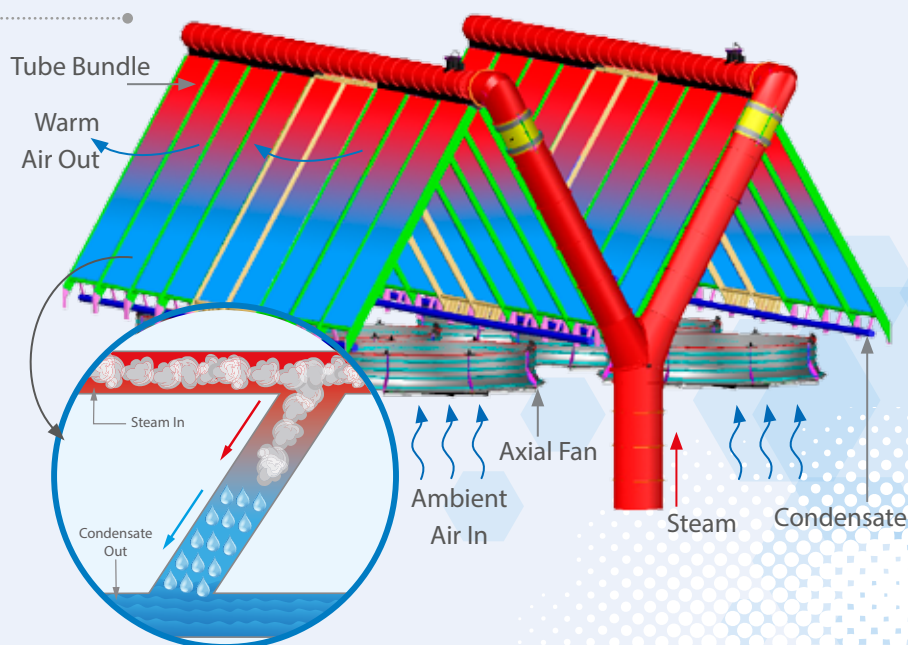
Diminishing water resources and increased water pollution concerns have led to the exponential growth of dry cooling solutions worldwide. We offer ACC for captive power and waste heat recovery plants for varied industries. Our offering ensures precise performance for power plants by maintaining required back pressure.

The modularized A-Frame is the most commonly used design in power plants of all sizes. The finned tube heat exchanger is the core component of ACC and is available in following types:

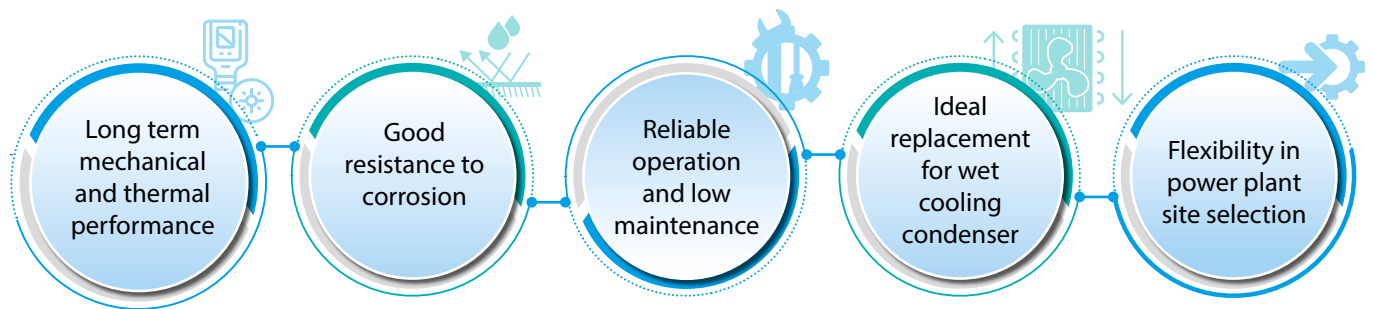
- Single row condenser (SRC)
- Multi row condenser (MRC): We offer Extruded type and Knurled type fins for multi row condenser design

Basic Operation of ACC

- ACC is a direct dry cooling system where the steam is condensed under vacuum inside air cooled finned tubes.
- The major components of ACC includes ducting (for transport of steam), finned tube heat exchanger, axial fans, motors, gear boxes, piping and tanks (to collect the condensate)
- The ambient air flows across finned tube heat exchanger using forced draft axial fan to condense the steam.
- Collected condensate is recycled to utilities.



Product Highlights



Our Strengths & Capabilities

- Effective project management for timely completion adhering to quality and safety standards
- We offer turnkey solutions with supply, erection and commissioning
- We are registered with all major EPC and engineering consultants
- Capacity- 3 MW onwards



More than 25+ installations running successfully across industries

Industry segments we cater



Other offerings

Air Cooled
Heat
Exchanger

Dry Cooler

Adiabatic
Cooler

Closed
Loop
Cooling
Tower

Evaporative
Condenser



Sustainable Solutions in
Energy & Environment

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Thermax Business Portfolio

- Heating
- Cooling
- Power
- Air Pollution Control
- Chemicals
- Water and Wastewater Solutions
- Solar
- Specialised Services