

# Industrial Heat Rejection Solutions for Sustainable Growth



**Process Cooling**





Global  
footprint  
for **Energy**  
**efficient and**  
**Environment**  
**friendly**  
business  
solutions.

# Process Cooling

Process Cooling's product range includes various Wet & Dry cooling solutions using air, water or a combination of both as medium of heat rejection.

## Wet Cooling



Evaporative Condenser



Closed Loop Cooling Tower

Industrial cooling equipment to cool, reject heat, or maintain temperature during manufacturing across different industries.

## Dry Cooling



Dry Cooler



Adiabatic Cooler

## Dry + Wet Cooling

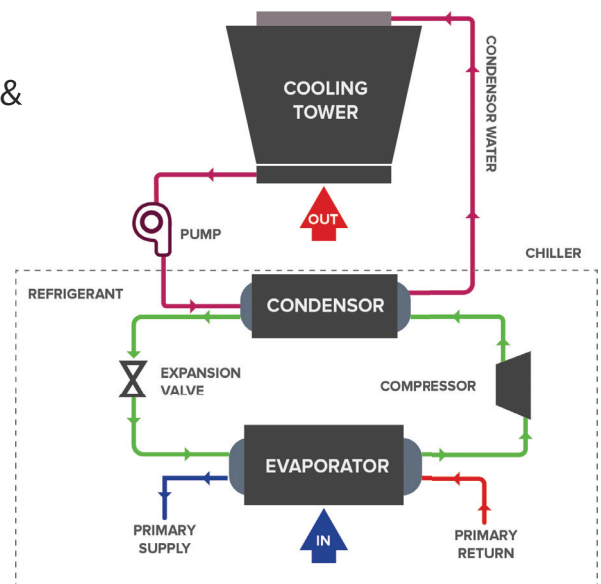


# Evaporative Condenser

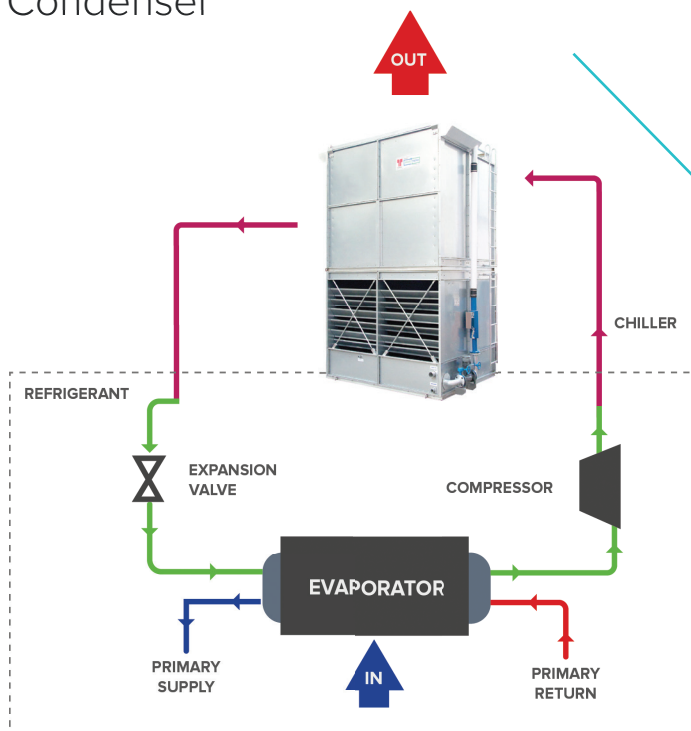
## Optimizes energy savings for Industrial Refrigeration

- For ammonia/freon/other latest refrigerant's condensation at lower temperature
- Retrofit & Replacement – Easy to integrate into existing system
- Ideal for various refrigeration systems & climatic conditions
- Capacity: 30 TR (100KW) onwards

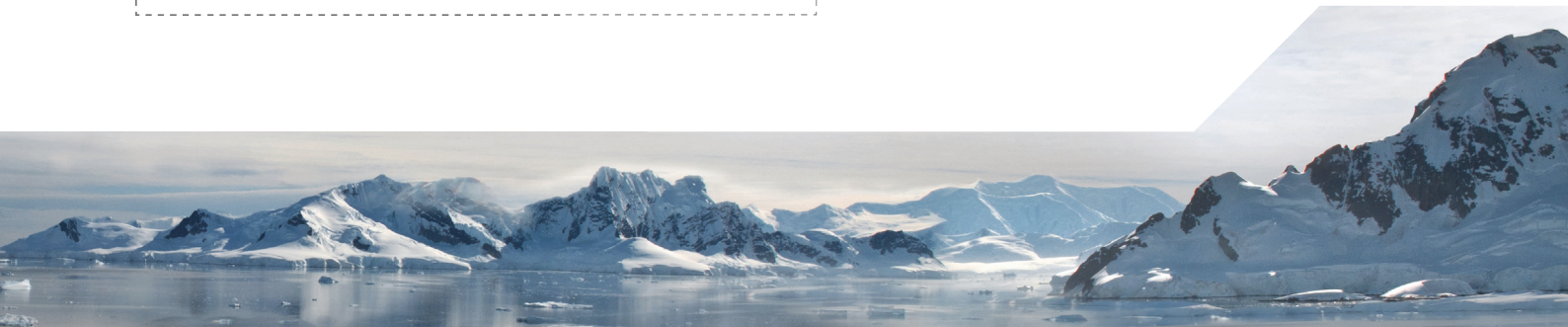
### Conventional System



### Evaporative Condenser



 Comparison

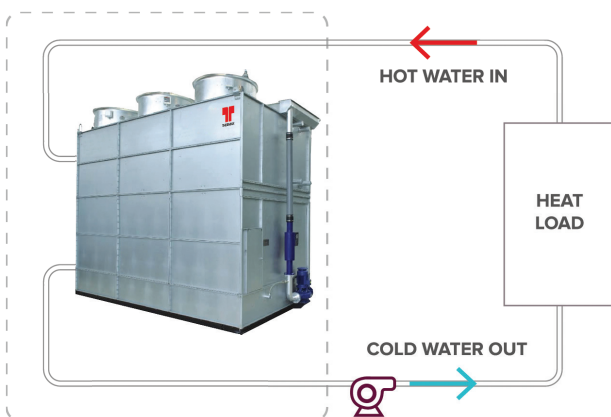


# Closed Loop Cooling Tower

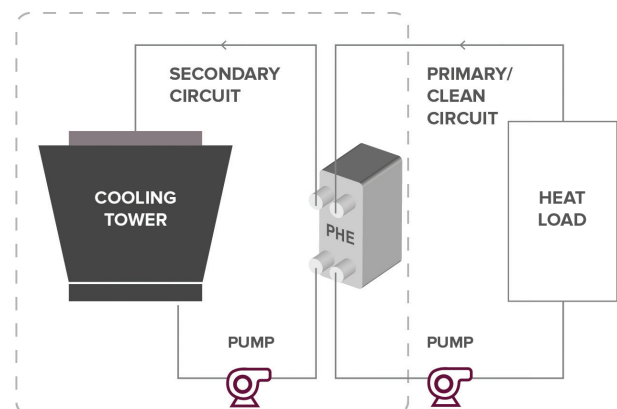
## Minimizes energy consumption for Industrial Cooling

- For water/chemical/pulp/any other process fluid cooling
- Can be operated for higher temperature difference ( $\Delta T$ )
- Lowers operating cost
- Zero contamination due to closed loop
- Capacity: 20 m<sup>3</sup>/h onwards

### Closed Loop Cooling Tower



### Conventional System



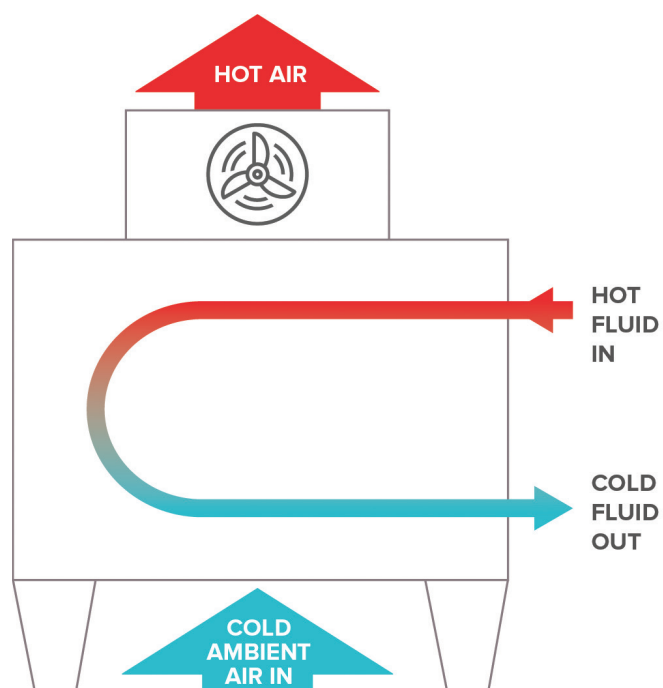
 Comparison

# / Dry Cooler

## Heat Rejection with Zero Water Usage

- Dry coolers can be used to effectively cool process water, chemicals or any heat transfer fluid
- Can be operated for varied and challenging climates, high pressure, high temperature applications
- No water required hence low maintenance due to dry operation
- Capacity 30 TR (100 KW) onwards

AKA Radiator/Fin Fan Cooler/Air Cooled Heat Exchanger (ACHE)



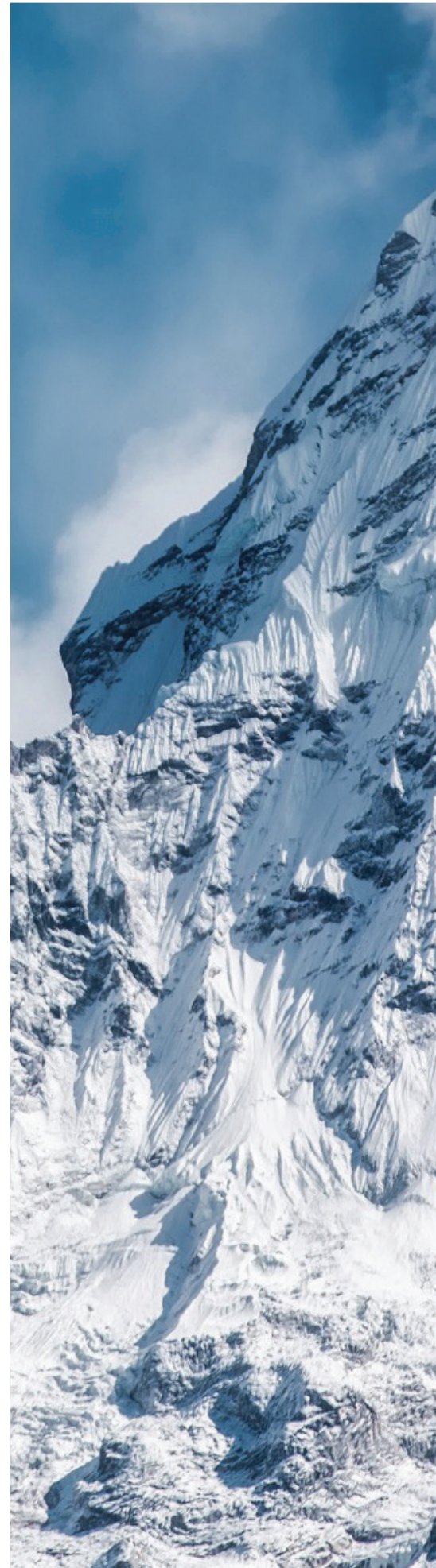
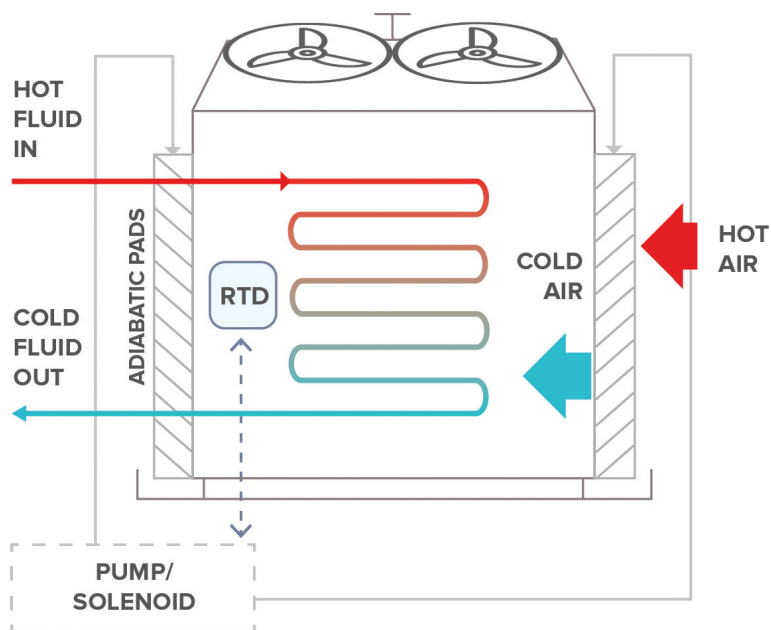


# Adiabatic Cooler

## Combines the best of Wet & Dry Cooling

- Lowers water consumption Up to 80%
- Adiabatic cooling for critical and precise cooling
- Coil always operates dry so there is no concern about scaling, effortless maintenance
- Engineered using high quality adiabatic pads, proven design
- Capacity 30 TR (100 KW) onwards

Adiabatic Cooling Tower



## Industry Footprint



Automobile



Steel



Dairies



Chemical



Food & Beverage



Fisheries



Power



Tyre



Cold Storage



Plastic & Polyfilm



Rubber



Meat Processing



Pharmaceutical



Refinery



Ice Plant

## Owner Benefits



Low Energy  
Consumption



Long  
Service Life



Effortless  
Maintenance



Low Installation  
Cost



Sustainable Solutions in  
Energy & Environment

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