



UTILISING WASTE HEAT TO OFFER INLET AIR COOLING

Inlet air cooling (IAC) is a cost-effective way to improve gas turbine (GT) performance—especially during the peak hours of hot and humid summer months. By lowering the air temperature, IAC can result in easier movement of air mass through the GT. Also, IAC enhances compressor performance by allowing more fuel to be ignited. Employed for inlet air cooling, absorption cooling solutions when driven by waste heat from steam or hot water improve the efficiency of gas turbine and compressor, all without an additional energy source or cost.

Benefits:



Waste Heat Utilisation



Higher Return on Investment (ROI)



Zero energy costs



Effective utilisation of installed capacity

Our solutions find application in

- Petrochemical Industries
- Chemicals & Fertilisers Industries

Our offerings for the industry are

Steam-driven absorption chiller

Hot-water driven absorption chiller



High COP of 1.5



Offers chilled water up to -1°C



Why Thermax's Solutions?

- Electricity-free cooling and heating
- Low steam consumption
- No vibrating parts
- Low maintenance
- No harmful refrigerants
- No requirement for LiBr/DM Water top-up
- Crystallization-free design
- 24x7 IIoT-based chiller monitoring