

TURBINE INLET AIR COOLING (TIAC) COILS



PRECISE THERMODYNAMIC ANALYTICAL SOFTWARE

- Heat and mass transfer duty calculated to within AHRI-410 limits
- Calculates lowest possible parasitic air pressure drop
- Guaranteed LAT precision to +0°C/-1°C
- Any working fluid

CUSTOMIZED PRECISION HEAT TRANSFER

- Corrosion resistant materials to match the operating environment
- Design solutions for either new build or retrofit
- Unique self-supporting coil casing design
- 304 stainless steel casing standard

INNOVATIVE OPTIONAL FEATURES

- Passive reheat to fix LAT @ <78% RH (NIL "wetting" of filter house elements)
- Integral stainless steel drainpan
- Integral mist eliminator
- Pre-filter module
- Inlet louvers



CASE STUDY
Griffith Energy Facility
Griffith, AZ



Owner	PPL GLOBAL/DENA	Gas Turbine Model	GE PG7241FA
Plant EPC	BLACK AND VEATCH	Gas Turbine Nominal Capacity	170 MW
On-Line	2001	Design Inlet Air Temperature	45° F
System Type	SPC A - AMMONIA	GTIAC Refrigeration Capacity	9000 TR
Gas Turbines	2	Overall Plant Enhancement	55 MW
Nominal Plant Capacity	520MW	Ambient Air Design	94° F DRY BULB 68° F WET BULB

CE(PED) Certification, UL508, ASME Sec. VIII, Canadian Registration Number, Canadian Standards Association



CRN



CSA

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"The Heat Transfer Experts"