

# TURBINE INLET AIR COOLING (TIAC) COILS

### PRECISE THERMODYNAMIC ANALYTICAL SOFTWARE

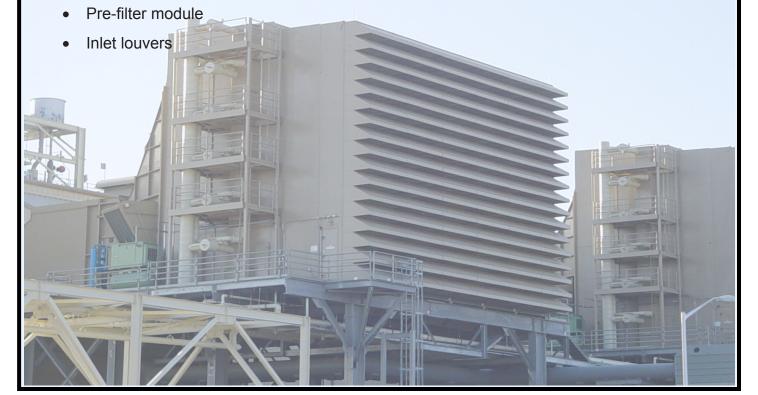
- Heat and mass transfer duty calculated to within AHRI-410 limits
- Calculates lowest possible parasitic air pressure drop
- Guaranteed LAT precision to +0°C/-1°C
- Any working fluid

#### **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)</li>
- Integral stainless steel drainpan
- Integral mist eliminator





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# 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







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**CSA** 

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