

CHANA COMBINED CYCLE POWER PLANT BLOCK 2

COMBINED CYCLE

LOCATION: SONGKHLA, THAILAND

CUSTOMER: BLACK & VEATCH THAILAND

END USER: EGAT

YEAR: 2011



PROJECT OVERVIEW

Gas Turbine

- Supplier: Siemens
- Type: SCC5-4000F
- Main Fuel: Natural Gas

HRSG

- No. of Units: 2
- Cycle Description: 1x1 Cogeneration
- Design: Double Wide SMART
- Pressure Levels: 3 HP, IP, LP with RH

Auxiliary Components Provided by Vogt Power International

- Bypass Deaerator
- Attemperators
 - HP and RH Interstage with 567°C Set Points
 - HP and RH Final Stage with 567°C Set Points
 - ST CRH Bypass Station with 340°C Set Point
- WPH Recirculation System and Bypass System
- Operation with Distillate Oil as Backup Fuel
- Stack Damper and Stack Silencer
- Blowdown Tank and Flash Tank

	ENGLISH	METRIC
Unfired		
HP Steam Flow	309.7 tons/hr	281.0 mtons/hr
HP Steam Pressure	1856.5 psi	128 bara
HP Steam Temp	1018.4°F	548°C
Reheat Steam Flow	361.7 tons/hr	328.1 mtons/hr
Reheat Steam Pressure	442.4 psi	30.5 bara
Reheat Steam Temp	1018.4°F	548°C
LP Steam Flow	40.3 tons/hr	36.6 mtons/hr
LP Steam Pressure	65.3 psi	4.5 bara
LP Steam Temp	439°F	226°C