

SUCCESS STORIES

ISRAEL ELECTRIC CORPORATION LTD.

COMBINED CYCLE POWER PLANT

LOCATION HAIFA, ISRAEL
CAPACITY 390 MW OUTPUT

VOGT POWER SOLUTION

IEC is the sole integrated electric utility in the State of Israel and generates, transmits and distributes substantially all the electricity used in the State of Israel. The State of Israel owns approximately 99.85% of IEC.



PROJECT OVERVIEW

- + Project name: Tzafit Power Station
- + Plant type: Combined Cycle Power Plant
- + Customer: Israel Electric Corporation
- + End user: Israel Electric Corporation
- + Gas turbine supplier: General Electric
- + Type: 9FA
- + Main fuel: Natural gas
- + Alternate fuel: DO
- + Number of HRSGs: 1
- + HRSG Attributes:
 - » Horizontal, natural circulation
 - » SMART design
 - » Three pressure levels + Reheat
 - » Unired

PERFORMANCE MEASUREMENTS

	ENGLISH	METRIC
HP Steam Flow	598,663 lb/h	271,554 kg/h
HP Steam Pressure	1888 psig	130 barg
HP Steam Temperature	1054°F	568°C
RH Steam Flow	680,128 lb/h	308,506 kg/h
RH Steam Pressure	436 psig	30 barg
RH Steam Temperature	1051°F	566°C
IP Steam Flow	95,534 lb/h	43,334 kg/h
IP Steam Pressure	456 psig	31 barg
IP Steam Temperature	610°F	321°C
LP Steam Flow	77,251 lb/h	35,041 kg/h
LP Steam Pressure	57 psig	4 barg
LP Steam Temperature	514°F	268°C