Vogt Power International

A BABCOCK POWER INC. SUBSIDIARY

SUCCESS STORIES

MOSELLE REPOWERING/SMEPA

COMBINED CYCLE POWER PLANT

LOCATION	MOSELLE, MS
CAPACITY	550 MW OUTPUT

PROJECT OVERVIEW

Gas Turbine

- Project name: J.T. Dudley, Sr. Generation Complex – Also known as Moselle Repowering
- Plant type: Combined Cycle Power Plant
- Customer: Burns & McDonnell Engineers
- End user: South Mississippi Electric Power Association (SMEPA)
- Gas turbine supplier: GE
- Type: Frame 7EA
- Main fuel: Natural gas
- Alternate fuel: N/A
- Number of HRSGs: 2

HRSG Attributes:

- Horizontal, natural circulation ECS design
- Two pressure levels + Reheat Fired

	ENGLISH	METRIC
HP Steam Flow	481,102 lb/h	218,224 kg/h
HP Steam Pressure	1271 psig	88 barg
HP Steam Temperature	959°F	515°C
LP Steam Flow	53,491 lb/h	24,263 kg/h
LP Steam Pressure	118 psig	8 barg
LP Steam Temperature	580°F	304°C

VOGT POWER SOLUTION

The HRSGs are Vogt Power International's Enhanced Constructability Smart design. The design incorporates pressure parts, pressure part support steel, interconnecting piping, casing, and structural steel into only six shop-fabricated module boxes per HRSG, significantly reducing erection labor expense.