



SUCCESS STORIES

TURNKEY RETROFIT: ARIZONA

FORCED CIRCULATION, VERTICAL FLOW, VINTAGE 1980s

LOCATION

CUSTOMER

END USER

YEAR

PROJECT OVERVIEW

HRSRG

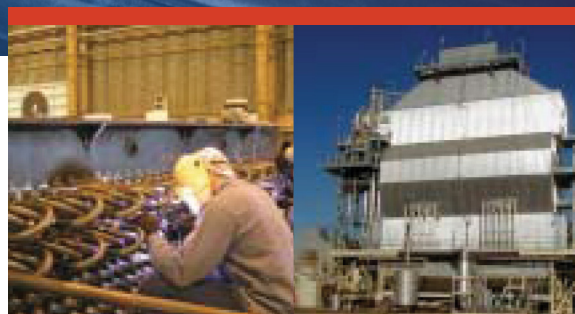
- + No. of Units:
- + Type: Forced Circulation, vertical flow, vintage 1980s

VOGT POWER SOLUTION

- + First vertical HRSRG SCR application in the United States
- + 42,700 lb/hr increase in steam flow
- + 90% NO_x emission reduction
- + Ammonia slip 10 ppmvd

PERFORMANCE RESULTS

- + State-of-the-art, all-welded replacement parts
- + On-site assembly and installation of NO_x removal SCR
- + Project completion two weeks ahead of outage schedule
- + First vertical HRSRG SCR application in the U.S.
- + 42,700 lb/hr increase in steam flow
- + 90% NO_x emission reduction



AFTERMARKET PRODUCTS

- + HRSRG spare parts
- + Access doors
- + Complete modules
- + Bare and finned tubes
- + Headers
- + Steam drums
- + Heat exchangers
- + Valves/instruments
- + Control systems
- + Diverter valves/dampers
- + Burner management systems
- + Environmental controls (CO/NO_x systems)
- + Freeze protection
- + Inspection services
- + Computational Fluid Dynamics (CFD) analysis capabilities
- + Performance testing
- + Casing seals
- + Casing and insulation
- + Expansion joints
- + Pressure vessels
- + Feedwater heaters
- + Rolled cylinders
- + Deaerators
- + Stacks
- + Return On Investment (ROI) analysis
- + Thermal studies
- + Pipe stress