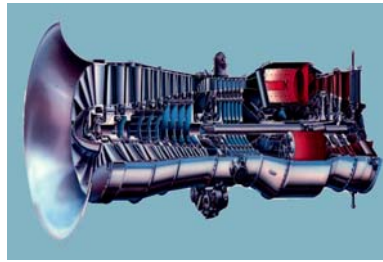


Jet Conversion Alternatives Design

Mirant, L.L.C.



LOCATION:

San Francisco, California

PROJECTS & SERVICES:

- Managerial & Technical Consulting
- Engineering (Mechanical, Electrical, I&C)
- Planning/Project Management
- Quality Assurance/Quality Control
- Operations & Maintenance
- Design

PROJECT OVERVIEW:

Source California Energy Services, Inc. (SCES) performed site redevelopment options analysis for Mirant's Potrero Power Plant. The overall objective was to redesign the gas turbine power systems for lowest emissions operation using viable control strategies. The effort included concept development, conceptual design, cost estimating, and preliminary fuel delivery design for various emission reduction alternatives.

Technologies considered included "cutting edge" type technologies still in prototype phases as well as best available control technology (BACT) implementation. Complete cycle conversion from simple cycle mode to combined cycle mode was also evaluated and conceptually designed.

This effort required a multi-disciplined approach for conventional and non-conventional solution design. The work product provided a thorough review of control technologies available and the implementation strategies specific to the Potrero site.