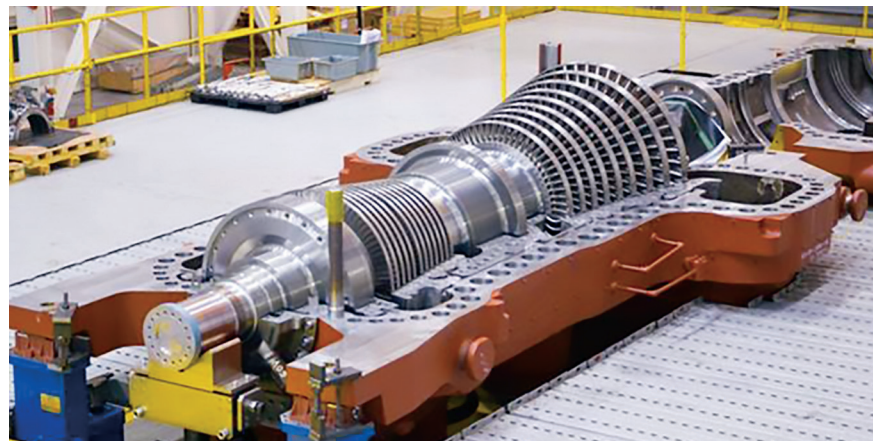


MITSUBISHI HITACHI POWER SYSTEMS D11 RETROFIT

Address D11 Reliability and Performance Issues

MD&A / Mitsubishi Hitachi Power Systems America offers a turnkey steam turbine retrofit for a D11 High-Intermediate Pressure (HP/IP) section.



Plant impact minimized by maintaining existing pipe interfaces, bearing span, retaining shell supports, and close coupled valves.

OBJECTIVES

- Enhanced Reliability & Availability
- Improved Output & Heat Rate
- Supports 10 yr Maint. Interval

KEY TECHNOLOGY

- Double Shell Construction
- Large Diameter 12 Cr Welded Rotor
- Robust Diaphragm Design
- High Efficiency Steam Path
- Advanced Sealing Package

EXPERIENCE / VALIDATION

- Large Combined Cycle Fleet
- Proven Technology & Retrofits
 - Laboratory Tested
 - Field Experience
 - Variety of Retrofits Executed; HP, HIP, LP, Full Train

D11 HIP Retrofit... 2-3 Year Estimated Payback

MECHANICAL DYNAMICS & ANALYSIS

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