



Power Piping Assessments

Improve Safety

Avoid catastrophic and costly failures

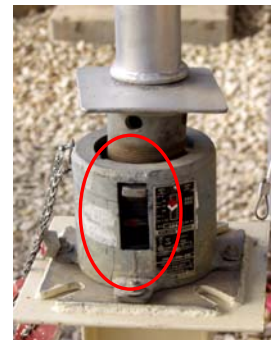
Minimise Down-time

Piping systems have experienced infrequent, but nevertheless catastrophic failures at a variety of power plants in the past 30 years. Corrosion, creep, fatigue and inadequate piping support systems have all contributed to failures during operation. Our Power Piping Assessments address these issues. Depending on the project scope, they could include both field and backoffice tasks:

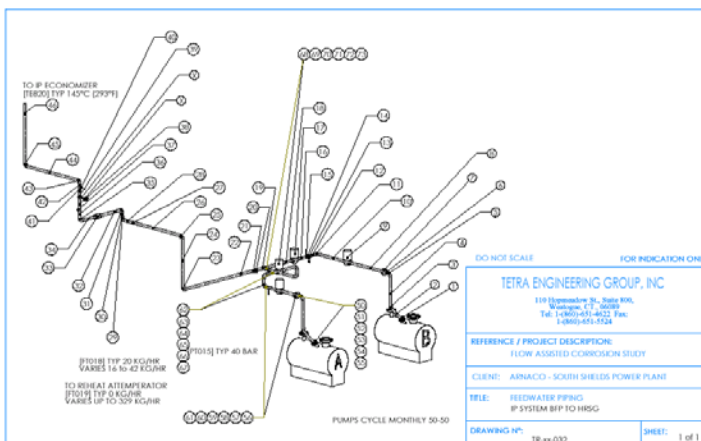
Applies to high-energy piping systems:

- HP Steam
- Hot Reheat Steam
- Cold Reheat Steam
- IP Steam
- LP Steam
- HP Feedwater

- On-Site Inspection: Tetra performs walkdown inspections of piping systems in accordance with a pre-prepared inspection plan. The purpose is to record the pipe support settings and condition, look for damage and verify conformity to design. We can also plan and execute inspections targeted at specific problems such as FAC, weld cracks in P91 etc.
- Engineering & Analysis: Our engineers can provide technical support in the following areas: ASME FFS-1 fitness-for-service analysis, piping stress/flexibility calculations, recommendations on repair and design changes and metallurgical analysis of failed sections.



Unloaded Variable Spring Support



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