



Tetra Engineering provides complete services to assess, predict and improve the reliability of steam raising tubing in your radiant or circulating-fluidized bed (CFB) boiler. Boiler tubes and water walls are subject to complex forms of attack from both fireside and waterside depending on design, operation and maintenance.

Our Boiler Tube Reliability services include:

1. Failure Analysis, Tracking and Statistical Trending
2. Predictive Maintenance Analysis of Failures
3. Deposition and Cleaning Assessments
4. Cycling Operation Analysis for Corrosion Fatigue and Internal Corrosion
5. Inspection Planning and Results Assessment
6. Repair/Replacement Planning and Fitness for Duty Assessments

Tetra can act as the "owner's engineer" to independently assess the causes, trends and remedies for failures. With many years of experience, we can rapidly and inexpensively provide complete reliability services that do not require purchase of an expensive proprietary software package. We can also develop and train O&M staff in flexible spreadsheet based methods for tube failure trending and predictive analysis.

