

Signal FFS™

SIGNAL FFS™ Fitness-for-Service is an easy-to-use software tool developed and supported by industry experts for performing fitness-for-service software and fracture mechanics analyses. **Signal FFS** allows engineers to run analysis on fixed and rotating equipment while enabling users to mitigate operational and safety risk and optimize performance through its comprehensive adherence to **API 579-1/ASME FFS-1 Fitness-for-Service** and additional industry standards.

Assessment Methods

- Brittle Fracture
- General Metal Loss
- Local Metal Loss
- Pitting Corrosion
- Hydrogen Blisters and HIC Damage
- Crack-Like Flaws
- BS 7910 Crack Analysis
- Creep Damage
- Dents and Gouges
- Laminations
- Pipeline Assessments

Allowing you to:

- Mitigate safety risks by performing rapid Level 1 and 2 FFS assessments.
- Perform advanced Level 3 FFS assessments, including parametric and probabilistic fracture mechanics analyses.
- Increase profitability by improving asset reliability and avoiding unplanned downtime.

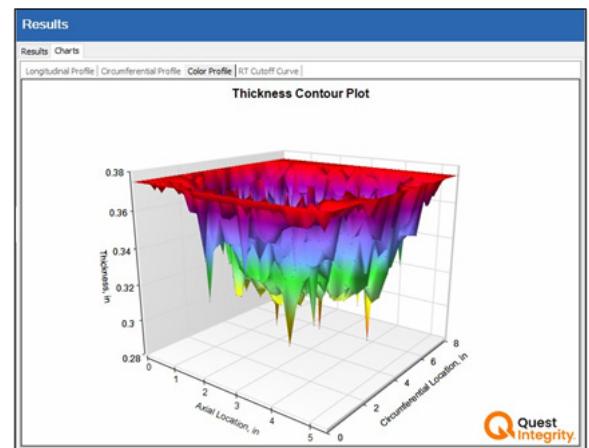


Figure 1. Three-dimensional metal loss profile.

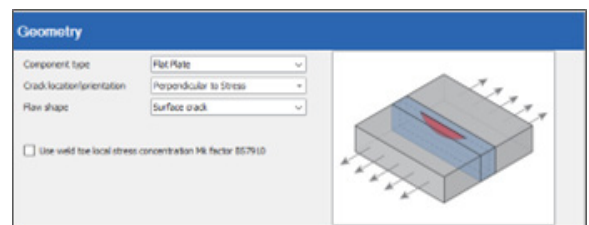


Figure 2. **SIGNAL FFS** contains an extensive library of structural geometries and crack shapes for fracture mechanics assessments.

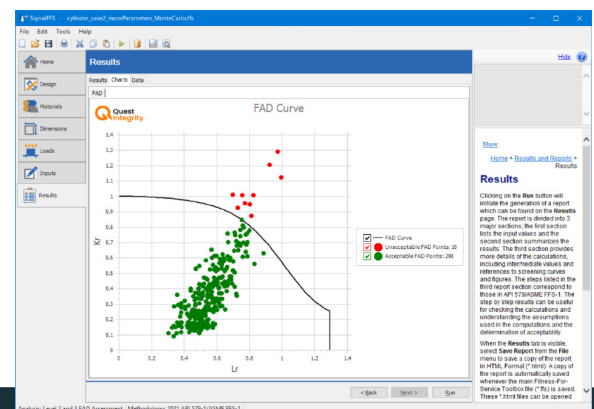


Figure 3. Advanced probabilistic Monte Carlo Failure Assessment Diagram analysis.