



MECHANICAL ENGINEERING

ANSWERS FOR TODAY.

E²G ENGINEERS HAVE YEARS OF EXPERIENCE IN EVALUATING A WIDE VARIETY OF DAMAGE

A FULL RANGE OF FFS EXPERIENCE

Fitness-For-Service (FFS) helps to optimize plant equipment availability by making run-repair-replace decisions that ensure plant safety, improve performance, and avoid unnecessary repairs or replacements. E²G engineers have years of experience in evaluating a wide variety of damage, including pressure vessels, process piping, transmission pipelines, storage tanks, heat exchangers, heaters, and mechanical components of specialized fixed equipment.

R-STAMP

E²G | The Equity Engineering Group, Inc. maintains a National Board R-Stamp to facilitate repairs and alterations that may result from an FFS assessment.



LIFE-CYCLE MANAGEMENT

The following sound engineering practices can be implemented to improve reliability and safety at key points in the lifecycle of plant assets (equipment and piping):

- » Using Engineering Codes and Practices
- » Designing assets for their intended purpose, including refining, petrochemical, and nuclear
- » Re-evaluating equipment when operating conditions change
- » Evaluating damaged assets through FFS
- » Reducing shutdown time for repairs
- » Providing quick turnaround in emergency situations

Utilizing FFS technologies to extend equipment life, E²G engineers combine hands-on plant experience with strong analytical skills to help clients achieve sustainable, safe operation.

INDUSTRY LEADERSHIP

E²G engineers were the principal developers of the landmark standard API 579-1/ASME FFS-1 *Fitness-For-Service* as well as API 579 *Damage Mechanisms* in the refining industry. These documents form the basis for most FFS assessments performed in the U.S. and internationally. Clients benefit because E²G knows how to use these technologies to their fullest potential.

SMART TECHNOLOGY. ANSWERS FOR TODAY. INSIGHTS FOR TOMORROW. ◀

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