



About Us

Fixed Equipment Reliability (FER) is an API and NDE inspection company providing world-class Inspection and Mechanical Integrity services to the petrochemical industry.


FER was founded by a dedicated team of inspection professionals who specialize in the implementation and optimization of Risk Based Mechanical Integrity programs.


Services:

- Mechanical Integrity Implementation and Optimization
- Risk Based Inspection (RBI)
- Rope Access
- Non-Destructive Examination (NDE)
- Turnaround Planning and Execution
- Capital Project Quality Assurance
- On-Stream Nested Inspection Support
- Integrity Operating Windows (IOW)
- Inspection Test Plans (ITP)



Meet The Family

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Fixed Equipment Reliability has been setting the safety standard for the inspection industry since 2011. FER has the highest level of regard toward safety with our "Safety First" mentality. Our clients can always feel at ease when FER is on the job site due to our safety record with zero lost work time due to injury and zero recordable incidences and an EMR rating of 0.92. FER's lost time OSHA injury rate is 0 for over 165,000 hours worked. We will always do the job right the first time, and we will always do it safely.



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MI and RBI Implementation and Optimization

Inspection Database Management Systems (IDMS) implementation and/or optimization are vital to a Mechanical Integrity (MI) program. Good vetted data is required to make valid remaining life calculations and schedule routine inspection activities. FER has extensive experience in many of the software programs available to the industry. We are not just database knowledgeable; FER team members are experienced API inspectors with extensive knowledge of databases, data, and accuracy. Our team has the ability to customize your IDMS program to meet your inspection department requirements.



Risk is a concept that allows people to view potential hazards in a way that simultaneously accounts for both the consequence and the probability of an event. Risk Based Inspection (RBI) is a systematic tool that helps users make informed business decisions regarding inspection and maintenance spending.

FER provides focused inspection activities where risk can be mitigated:

- Removing activities that mitigate no risk
- Evaluating current inspection and test plans to determine priorities for inspections
- Evaluating future inspection plans for decision making
- Identifying critical contributors to risk that may otherwise be overlooked
- Establishing economic optimum levels of inspection as weighed against risk reduction

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FER Rope Access Group

FER has been meeting the industrial welding, mechanical inspection, NDE, insulation, and painting needs of customers since 2013 with a team that is backed by over 120 years of combined experience in the industrial field. The company is comprised of many Society of Professional Rope Access

Technicians[®] (SPRAT) rope access Level 1s, 2s and 3s, and has all of the necessary insurance, certifications and paperwork to perform work offshore and onshore as well as at refineries, wind turbines, etc.

FER's top priorities are jobsite safety, service, reliability, and unrivalled excellence. No matter what the nature of your project may be, you can count on FER's versatile experts to fulfill all your welding, fabrication, inspection, maintenance, and painting requirements. Serving all 50 states and beyond to deliver your needs.



FER takes great pride in every stage of our work.

Our offshore and onshore construction, inspection, and painting divisions can complete about any job you have on your project for a fraction of the cost. These savings are accomplished by minimizing the use of scaffolding, long shutdowns, disassembly, and equipment rental to access hard to reach structural locations, equipment and/or components. This is just a few examples of the benefits of rope access. Once you factor in man-hour, schedule, material, equipment rental, tracking and management savings, **Rope Access is the clear solution for saving on cost and completing your project on time.**

Turnaround Planning and Execution

FER Turnaround Planning department prioritizes operational, maintenance and process histories along with the present environments for each asset. This process produces a risk ranked value to allow the owner/user to determine TA critical paths, proper NDE, scope, repairs and non-intrusive inspection options that can be performed pre-TA to assure reliability of the asset and reduce cost. FER Turnaround planning personnel include multi-level skilled inspectors who can assist in planning, organizing, and finishing the targeted tasks safely within the scheduled timeframe and budget. Our experienced and unique team can assist or develop the inspection test plan (ITP) for each asset to include the required NDE per damage mechanism based on the integrity operating window (IOW).

FER Turnaround Execution team is experienced in the live visibility of the status of the turnaround (any software) to provide real time key performance analytics. Leadership has over 110 turnarounds of experience with immediate and a vast number of quality inspector contractors. With over 95 turnarounds just in FCCU structures around the world, our FER TA Team has previous UOP, owner user, TA coordination, TA planning and repair plan experience to assure reliability until your next TA!

***RADIOGRAPHY COMING
SOON.....***



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