



MECHANICAL INTEGRITY COMPLIANCE

How effective is your Mechanical Integrity Program?

Increasingly, plants are finding that not only do MI programs satisfy compliance regulations, but also increase profit through improved safety, reliability, and environmental protection.



E²G Mechanical Integrity Gap Assessment

- E²G provides world-class subject matter experts (SMEs) in all aspects of equipment life cycle management.
- SMEs can provide experience-informed, practical recommendations to help bridge the gap between the often vague codes or standards and best industry practice or RAGAGEP.
- E²G has participated in the API standard committees over multiple decades, and can provide clarity on the many “grey areas.”

Site-Wide Gap Assessment

- Review/assess documentation, inspection, testing, and maintenance program on a site-wide level.
- Typically consists of a 3-5 day site visit by a small team of SMEs and/or Inspection specialists.
- Following review, **Solutions** are presented for any MI gaps identified, ultimately delivering a **clear path forward**.

Focused Assessment

- Gap assessments focused on specific areas, either recommended by E²G or areas requested by client.
- Examples include:
 - Specific equipment (tanks, HXs, critical valves)
 - Specific processes (HF Alkylation, REACs, fired heaters)
 - Specific Damage Mechanisms (HTHA, sulfidation, creep, stress corrosion cracking programs)
 - Special emphasis programs (CUI, injection/mix points and dead legs, piping vibration, small-bore piping)
 - Analysis of handling of equipment deficiencies (failure analysis, FFS, repair)

→ E²G provides specialized approaches to meet any budget or timing restrictions.

ANSWERS FOR TODAY. INSIGHTS FOR TOMORROW.

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