

## E<sup>2</sup>G TERMINAL-WISE

# ARE YOUR TERMINALS OR TANK FARMS READY FOR INCREASED SCRUTINY FROM REGULATORS????



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### TODAY'S ENVIRONMENT

Recent tank and terminal incidents have **increased regulator focus** on mechanical integrity (MI), inspection and maintenance programs, risk assessments, safety management, environmental protection and overflow protection systems... OSHA, EPA, and others are considering changes.

The industry is balancing investment in mechanical integrity, reliability, safety, and compliance within a climate of tough market conditions and uncertainty. Are you prepared?

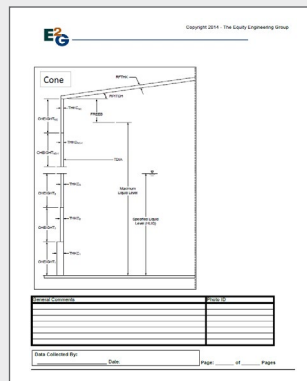
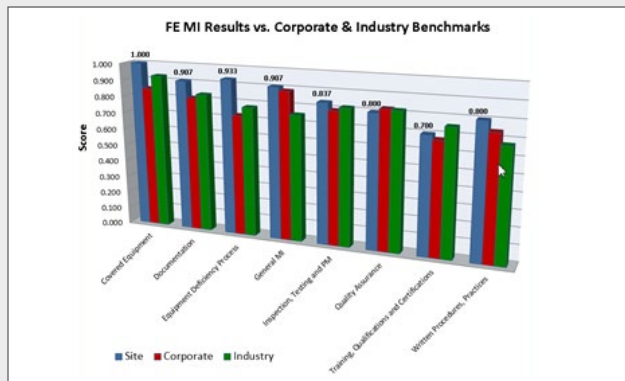
### HOW DO I INVEST WISELY IN MY TERMINAL OR TANK FARM?

Using the Terminal-Wise solution:

- Effectively manage your terminal's or tank farm's inspection and maintenance costs while not sacrificing safety or reliability.
- Stay ahead of compliance issues and competitors with best practices that improve the mechanical integrity of your tanks and pipelines while you balance your investment in these tough times.

### TERMINAL MI GAP ASSESSMENTS

E<sup>2</sup>G | The Equity Engineering Group, Inc's MI Gap Assessment tool has a process specifically for terminals and tank farms. GA-PASS can work for both regulated (PSM) sites and non-PSM sites alike. GA-PASS identifies critical areas in your MI processes needing improvement, undocumented equipment needing Suitability-for-Service (SFS), and provides other specific, practical recommendations. Based on our many years of experience with tanks and associated equipment, GA-PASS also benchmarks your terminal's or tank farm's MI processes against industry best practices.



**LEFT**  
Benchmarking MI Best Practices

**RIGHT**  
Undocumented Tank SFS

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## THE TERMINAL-WISE SOLUTION

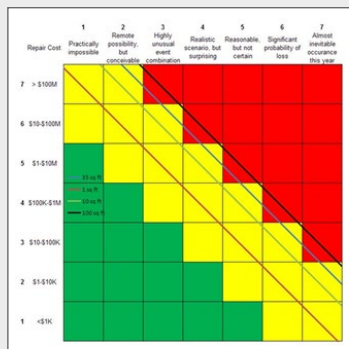
**TERMINAL-WISE IS A COMPREHENSIVE EXPERT SOLUTION THAT INCLUDES SOME OR ALL OF THE FOLLOWING:**

- **Tank RBI** that is fully-compliant with API 581, but tailored to terminals and tank farms; RBI results that are consistent, repeatable, and in accordance with industry-documented methodology; E<sup>2</sup>G’s support of RBI acceptance with stakeholders and regulators
- **Risk Assessments** that evaluate tank designs, terminal operations, terminal locations, and other factors to determine the threat and potential impact of an overflow event; overflow protection system review from a CFSP certified instrument & controls specialist
- **Site and corporate-wide MI gap assessments** tailored to terminals; appropriate to both PSM and non-PSM sites
- **Suitability for Service (SFS) assessment** of your undocumented storage tanks

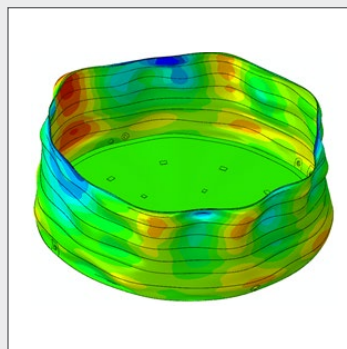
- An Engineering Practices collection with best practices for your tanks, piping and pipelines, and marine terminals
- For your more advanced terminal problems, E<sup>2</sup>G’s FFS and Tank Settlement experts will apply the proper analysis to determine whether your tank, pipeline, and other equipment is fit, or to develop the most effective repair.

## TERMINAL-WISE RESULTS

A practical way to manage the mechanical integrity of your terminal or tank farm, improve reliability and safety, and manage compliance in today’s challenging times and an ever-changing regulatory environment.



Tank RBI



Tank Settlement Analysis

## TANK RBI

Tank RBI can be used to focus your inspection efforts on the highest-risk tanks or properly defer inspections, when needed.

## TANK SETTLEMENT

Tank Settlement assessments can determine the right repair or if repairs can be avoided altogether.

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