



2013 API Inspection Summit & Exposition

“Loss Prevention through Improved Inspection”

January 7-10, 2013 Galveston, Texas

Preliminary Technical Program Topics

Key Speakers from: BP, Chevron, ExxonMobil, Shell Global Solutions, Phillips 66, Flint Hill Resources, Intertek, Stress Engineering Services, E2G, Becht Engineering, SGS, PRCI and many more.

For the first time the program presents inspection solutions from the wellhead to the gas pump

More than 125 presentations and panel discussions in three days.

Pre Summit Training Day – six - eight hour topical training sessions available.

Expanded Industry Service Company Exposition Center

Eight Discussion Panels with Industry Experts

Downstream Sector	Upstream & Midstream Sector
MI Incidents - Tough Lessons Learned	New Solutions for pipelines that are "Challenging to Inspect"
How to Avoid Sulfidation Ruptures	Inspection of Subsea Pipelines / Flow Lines
Avoiding Catastrophic HTHA Failures	Seam Weld Failures in Pipelines - the Inspection Dilemma
Optimizing Coke Drum Inspection, Assessment & Repairs	Buyer Beware - Validation of In Line Inspection Results



**INSPECTION
SUMMIT
2013**

LOSS PREVENTION
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INSPECTIONS

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JANUARY 7-10
GALVESTON ISLAND
CONVENTION CENTER
GALVESTON, TEXAS
www.api.org/meetings

Program Topics Presented by Industry Experts

Downstream Sector	Upstream & Midstream Sector
Inspection Challenges for High Severity Refining Applications – Sulfidation, Naphthenic Acid, Wet H ₂ S Cracking	Inspection Solutions for Challenging Pipelines – “Unpiggable”
Numerous Industry Case Studies of Failures	Performance of In Line Inspection Tools
Inspection & Analysis for High Temperature Damage	Terminal Specific Inspection Solutions
CUI/CUF Inspection Techniques without Insulation Removal	Upstream and Pipeline Leak Detection
<p align="center">Advances in Nondestructive Examination Across the Enterprise</p> <p align="center">Radiography – for weld inspection, corrosion, subsea</p> <p align="center">Ultrasonics – AUT, TOFD, Phased Array, Long Range UT, EMAT’s</p> <p align="center">Electromagnetics – Eddy Current, Near and Remote Field, ACFM, Magnetometry, Pulsed Eddy Current</p> <p align="center">Acoustic Emission – Onshore/Offshore - Leak, Cracking, Corrosion, and Structural Health Examinations</p> <p align="center">Technologies for Inspection at Pipe Supports and Flange Assemblies</p>	
<p align="center">Aboveground Storage Tanks</p> <p align="center">In-Service, Out of Service, Assessment Approaches</p>	
Improved Heat Exchanger Tubular Inspection Methods	Structured Light for External Corrosion Assessment
Highlights of New/Updated Inspection Codes/Standards	Tethered In Line Inspection Tools
Numerous Corrosion and Metallurgy Topics	A Comprehensive Approach for Measuring the Performance of In the Ditch NDE Tools.
<p align="center">Repair Solutions & Case Studies</p> <p align="center">Welded, Cold Repairs, Composite Wraps</p> <p align="center">Weld Overlays</p> <p align="center">NDE of Repairs</p> <p align="center">New Articles in ASME PCC-2 “Repair and Testing of Pressure Equipment and Piping”</p>	
<p align="center">QA & Procurement Inspection</p> <p align="center">Improving the Service Life of Coatings</p> <p align="center">Preventing Coating Failures; Use of Thermal Sprayed Aluminum</p> <p align="center">Surveillance Inspection</p>	



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Inspection Planning

Risk Based Inspection – Upstream & Downstream

Facility Inspection Beyond DOT Regulations
Use of Facility-Risk Based Inspection Versus Direct Assessment
Risk-Based Inspection and Decision Making for Infrastructure
The Impact of NDE on RBI
Implementation of Risk Based Inspection in a Heavy Oil Production Facility

Life Extension and Fitness For Service Across the Integrity Value Chain

Pipeline Life Extension
Doing the Right Inspections to Facilitate FFS Analysis
Evaluation of Laminations and Flaws in Equipment in Environmental Cracking Service

Improving Mechanical Integrity Programs

Progressing from a Reactive to a Proactive MI Program Fired Heater Integrity Management
The Essential Elements of an Effective Integrity Management System
Upstream Asset Integrity Management – A Case Study from Major Operator's Program
Asset Integrity with Infrared Examination

Improved Inspection Data Management & Analysis

Remote & Innovative Sensing for Corrosion and Other Damage

Remote UT Sensors
Fiber Optics

Organizational Capability

Basic knowledge/Skills for New Inspectors
Upgrading Inspection Skills & Career Development
API Inspector Certification Programs