

Mechanical Integrity Programs (MIP)

COMPLIANCE. COST SAVINGS. LIFE EXTENSION.



BE IN THE KNOW

Do your MIP testing and inspection activities lower your operating costs?

Does your mechanical integrity program reduce maintenance time and improve reliability?

Help you better manage assets?

Extend the service life of your systems?

Does it justify expenditures or is it simply a means of regulatory compliance?

Premium Inspection and Testing Group's programs are specifically designed to enhance Process Safety Management (PSM) covered systems by reducing maintenance time, supporting cost control efforts, and extending the life of equipment using proven Business Process Management (BPM) principles. With compliance as the cornerstone of every mechanical integrity inspection and testing program, Premium Group can extend the value and safety of your MIP efforts with condition monitoring, advanced data acquisition methods, data analysis, and record keeping as required by OSHA 1910.119 (j) utilizing Recognized And Generally Accepted Good Engineering Practices (RAGAGEPS).

EXCEPTIONAL SERVICE. DELIVERED.

Premium Group brings together industry-leading experts in mechanical integrity with state-of-the-art technologies to save you time, money and extend critical asset life, while mitigating safety and environmental risks. The Premium Group's mechanical inspection programs maximize the useful life of your most critical equipment and systems, while keeping your facility in compliance with OSHA (Occupational Safety and Health Administration), PHMSA (Pipeline and Hazardous Materials Safety Administration), and SEMS (Safety and Environmental Management Systems) regulations.

ASK US ABOUT

How Premium Inspection & Testing Group can bring together vetted technologies and management principles to create a custom MIP that works best for your facility and assets.

PREMIUM DEVELOPS AND IMPLEMENTS EXCEPTIONAL PROGRAMS INCLUDING:

- ▶ Process Safety Review and Development
- ▶ Management System Development
- ▶ Inspection Planning & Scheduling – Risk Based Inspection (RBI)
- ▶ Inspection Data & Documentation Management
- ▶ Gap Analysis
- ▶ Risk Analysis and Implementation
- ▶ Advanced Nondestructive Testing Technologies
- ▶ Fiber Reinforced Polymer (FRP) Asset Fitness-for-Service Inspection
- ▶ Corrosion Under Insulation, Wall Thickness Assessment & Analysis
- ▶ QA/QC Program Development
- ▶ Computerized Maintenance Management System Integration
- ▶ Training and Competency Identification
- ▶ MI Software Integration
- ▶ AutoCad Dynamic Integration

APPLICATIONS		TECHNOLOGIES/ METHODS OFFERED	REGULATORY COMPLIANCE
Refinery, Biofuel and Distillery	Reactors, columns, towers, heaters, pumps, tanks, pressure vessels, piping systems, heat exchangers, drums, digesters	Ultrasonic (shear wave, longitudinal, thickness, automated, guided wave, phased array, corrosion mapping, B-scan, time of flight diffraction), Radiographic (conventional x-ray & gamma, proximity, computed, digital, real time), Electromagnetic (surface eddy current, tubular, pulsed eddy current, magnetic flux leakage), Dielectric, Resistance, Hardness, Laser (3D structured light, profiling), Liquid penetrant, Load testing, Magnetic particle, Positive material identification, Visual (near field, vendor surveillance, remote), Leak testing, Holiday testing, Calibration services, Fiberglass reinforced plastic, Drafting	Testing methodology using RAGAGEPS supports compliance to regulations required by 29 CFR 1910.119 (j) Process Safety Management when assets are covered under Appendix A.
Chemical Processing and Mining	Processing piping, tanks, valves, pressure vessels, transport systems, heat exchangers, boilers		
Power Generation, Pulp & Paper	Boilers, storage tanks, valves, piping systems, digesters, rolls, drums		
Tank Farms	Tanks, transport piping, loading systems, valves, containment		
Pharmaceutical, Healthcare, Food Processing	Vessels, agitators, piping systems, valves, refrigeration systems		



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