



MECHANICAL INTEGRITY



AMERAPEX

Committed to Technical Excellence

ENSURING THE SAFETY & RELIABILITY OF ASSETS

Safety, reliability and compliance are vital to a successful Mechanical Integrity program. Amerapex's Mechanical Integrity vision is to be the leading provider offering services that cover the entire asset life cycle from design to decommissioning. Our expert personnel can help you save unwanted downtime and maximize your cost savings!



OPTIMUM TARGETED
INSPECTION



OPTIMIZED
MAINTENANCE



MINIMIZED
DOWNTIME



OPERATIONS & MAINTENANCE:

- Fitness for Service
- Inspection Data Management Systems (IDMS)
- Risk Based Inspection (RBI)
- Reliability Studies
- Criticality Assessments & Risk Assessments
- Integrity Operating Windows (IOW)
- Performance Standards (PS)
- Integrity Verification Strategies & Routines
- Barrier Management by Integrity Critical Elements (ICE)
- Computerized Maintenance Management System (CMMS)
- Competence & Awareness Training
- Management of Change (MOC)
- Document Management
- Defect Elimination (DE)
- Failure Mode Effects Analysis (FMEA)
- ITP, Inspection Test Plan Development
- Corrosion Studies
- Asset Management
- Key Performance Indicators (KPIs)

WE ARE AMERAPEX

Amerapex's mission is the advancement of our clients. Through innovation, technology, integrated engineering and industrial solutions.

Amerapex brings the highest quality and optimal cost to our clients.

MISSION STATEMENT

EXPERTS IN INTEGRATED SOLUTIONS



ASSET MANAGEMENT

- API Inspections
- Corrosion Under Insulation (CUI)
- Tubing Inspection
 - Eddy Current Testing (ECT)
 - Pulsed Eddy Current (PEC)
- Electromagnetic Acoustic Transducer (EMAT)
- Heat Exchanger Integrated Services (HEXIS)
- High-Speed Vertical Tube Inspection (HVTI)



ENGINEERING SERVICES

- Civil/Structural Engineering
- Electrical Engineering
- Information Technology
- Mechanical Engineering
- Piping Engineering
- Process Engineering
- Procurement
- Profitability Applications
- Program & Project Management
- Industrial Water Treatment
- FPSO Commissioning/Decommissioning
- Instrumentation & Control Engineering
- FPSO Manufacturing Inspection
- Drops Inspection
- Aluminum & Duplex Welding



GREEN ENERGY SOLUTIONS

- Windmill Blade Inspection
 - Phased Array
 - Rope Access
- Bio-diesel Technology
- Magnetic Particle
- Phased Array
- Radiography
 - Computed Radiography (CR)
 - Digital Radiography (DR)
- Rope Access
- Positive Material Identification (PMI)
- Storage Tank Inspection
- Turnaround Inspections



MECHANICAL INTEGRITY

- Asset Integrity
- Asset Management Software Support
- CML/Inspection Optimization
- Corrosion Engineering
- Corrosion Study & DMR
- Failure Mode Effects Analysis
- Fitness for Service
- Integrity Operating Windows
- Key Performance Indicators (KPIs)
- Maintenance & Reliability
- Mature & Late Life Asset Management
- Performance Standards
- Risk Assessments
- Risk Based Inspection (RBI)
- Technical Due Diligence



SEISMIC SERVICES

- Geological Services
- Data Acquisition
- Field Processing



INDUSTRIAL SOLUTIONS

- Hydroblasting/Hydrocutting
- Mechanical Services
 - Piping Fabrication & Repairs
 - Blinding & Isolation
 - Structural & Civil
 - Pipeline/Station Services
 - Tank & Vessel Services
- Tank & Vessel Cleaning
- Industrial Coatings
- Soil Remediation
- Confined Space Rescue (CSR)
- Pipeline Construction,
- Maintenance & Integrity



ENVIRONMENTAL SOLUTIONS

- Demolition & Restoration
- Project Management & Consulting
- Remediation Services
- Waste Management



WATER TREATMENT SOLUTIONS

- Produced Water
- Process Water
- Cooling Water
- Wastewater
- Flowback
- Pipeline Remediation
- Slop Water

