

## Mechanical Integrity Services



NVI, LLC's Mechanical Integrity group is the industry's turnkey that sets the bar for inspection, data collection and Mechanical Integrity solutions. Here at NVI, our team works together to develop a deep understanding of our client's own systems and processes in order to develop a custom Mechanical Integrity solution that will fit their every need. Our Mechanical Integrity division is much more than a data collection and inspection company, as we customize solutions in our own proprietary software or information directly importable to their internal programs. Before the data is sent to our clients, our staff of engineers, APIs, and review personnel carefully evaluates and analyzes the data for completeness, value solutions, and potential failures in the inspection process. The data is then organized in a customized, cost effective report created for ease of analysis, review, and scheduling of follow up inspections and implementation of programs that meet regulatory requirements of OSHA and API recommended best practices.

NVI, LLC's vast amount of experience in the field is nationally recognized by major operators and independents. Our Mechanical Integrity team is believed to be the best team of API-Certified Inspectors, Certified ASNT NDE Inspectors, computer specialists and Auto-CAD operators in the industry.



### Mechanical Integrity

- API 580 & 581 Risk Based Inspection
- API 579 Fitness for Service
- AutoCAD and UltraPIPE
- Mechanical Integrity Reporting
- CUI Management/Planning/Inspection

## Additional Services

### Engineering/Management/Planning/Inspection

- API 580 & 581 Risked Based Inspection
- Civil/Structural QA/QC Inspection
- Project Management
- Project Site Safety Compliance
- New Construction Inspection
- Turnaround Management/Planning and Inspection

### Ultrasonic Inspection

- Ultrasonic Shear Wave Flaw Detection
- Specialized Pipeline Inspection (AUT)
- Straight Beam (A, B, & C Scan)
- Phased Array
- Automated Thickness Scanner (A, B, & C Scan)
- Automated Weld Inspection (AUT) Phased Array System
- Guided Longwave Ultrasonic Inspection

### Visual Inspection

- API 510 Pressure Vessel Inspection
- API 570 Process Piping Inspection
- API 653 Above Ground Storage Tank
- Leak Test/Hydro Test Documentation
- Video Probe/Borescope Internal Inspection
- CWI (Certified Welding Inspectors)
- Visual Inspection (ANST-TCIA)
- Direct Assessment of Pipeline Corrosion

### Radiographic Inspection

- Gamma & X-Ray Inspection
- Digital & Film (VMI)
- Internal Automatic Pipeline Crawlers

### Welder Qualifications

- Onsite Testing Laboratories
- Welder Qualifications & Certifications
- WPS (Welding Procedures Specifications)
- Destructive & Nondestructive Testing of Welder Coupon
- 30 to 80 Ton CRC Evans Units
- Tensile & Guided Bend Testing

### Heat Treatment Services

- Pre-Heating
- Post Weld Heat Treatment
- Annealing
- Hardening
- Refractory
- Quenching

### Positive Material Identification (PMI)

- X-Ray Fluorescent
- Optical Emission Spectroscopy
- Ferrite Testing
- Metallurgical Services



#### NVI Mechanical Integrity Division

3639 Ambassador Caffery Parkway Suite 520  
Lafayette, LA 70503

#### **David Thoman**

Director of Mechanical Integrity  
337.298.3057  
[dthoman@nvindt.com](mailto:dthoman@nvindt.com)

#### Corporate Headquarters

Gray, Louisiana  
1.877.638.6841  
[info@nvindt.com](mailto:info@nvindt.com)  
[www.nvindt.com](http://www.nvindt.com)