

ABOVE-GROUND STORAGE TANK SERVICES

PROVIDING A FULL LINE OF SERVICES TO TANK FARMS AND TERMINAL OPERATORS

Maintaining above-ground storage tanks (AST) is important not only to secure the product within the tanks, but also for compliance with regulatory requirements such as American Petroleum Institute (API) 653.



AST Services

Intertek's industry-leading technical experts support tank farms and terminal operations with a full line of services that minimize risk, improve safety and ensure asset reliability. Services include inspection and assessment for API 653 program compliance along with other state and federal regulatory bodies mandating requirements for AST assets.

As a Total Quality Assurance provider, Intertek offers additional related services not commonly available including laser scanning and laboratory analysis of products for microbiologically influenced corrosion (MIC) or other corrosive factors which differentiates us in the AST Services market.

API 653 & STI SP001 Inspections

Routine tank inspection interval inspections are provided using certified and experienced API 653 inspectors. A complete inspection program is planned as specified by the client prior to the initiation of the on-site work. In addition, non-destructive examination (NDE)

technicians and the accompanying equipment needed to collect data for standard and exceptional API 653 assessment needs are assigned.

Intertek provides full API 653 visual inspections, settlement surveys, magnetic flux leakage (MFL) floor scanning, vacuum box testing, chime weld (annular ring) inspection, and shell and roof ultrasonic crawlers.

Engineering Evaluations & Repair Recommendations

When requested, Intertek engineers can conduct Risk Based Inspection (RBI) assessments, evaluate API 653 reports and supporting NDE data and provide a comprehensive fitness for service report complete with repair recommendations and post repair maintenance and inspection recommendations as needed. We will also provide, at the customer's request, the necessary on-site quality control inspection to ensure that repair work meets the required standards.



Tank Inspection Service Summary

- API 653 Engineering
- API 653 Post Repairs Inspection
- API 653 Visual Inspection
- Baseline Inspections for New Construction
- Bottom Plate Corrosion Mapping
- Comprehensive Final Reports with Detailed Drawings & Photos
- Evaluations & Repair Recommendations including API 579 Fitness-For-Service
- High-Quality Concise Reports
- MFL Floor Scanning
- QA/QC for New Construction or Repairs
- Settlement Evaluations (API 653)
- STI SP001 Inspection
- Tank Seal Inspections
- Ultrasonic Inspection
- Vacuum Box Inspection
- Verticality & Roundness

Additional Value-Add Tank Inspection Services

- Alternating Current Field Measurement (ACFM) Weld Inspection
- B-Scanning
- Calibration – Tank Capacity Tables & Incremental Factor Run Sheets
- Diesel Testing
- Failure Analysis
- Helium Testing (MSLT)
- Laser Scanning

3D Laser Scanning & Dimensional Control

Intertek's high definition 3D digital capture techniques gather a large amount of field information in a very short period of time. We create highly accurate point cloud models of your tanks, regardless of size. The process works by capturing a series of high definition 3D laser scans (external and internal if needed) on site that can be processed immediately for analysis.

The scan data can then be utilized for many different useful data management functions such as: accurate as-built drawings and 3D models, verification of settlement surveys, calibration, deformity analysis, and virtual 3D cross references for data. In addition, for tanks receiving a new internal floating roof or dome, a laser scan is critical to proper design, installation and operation of the new roof.

FOR MORE INFORMATION



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