Introduction

AEIS LLC [dba Atlas Evaluation & Inspection Services] is an independent commercial inspection and testing agency that provides a variety of services for inspection, testing, failure analysis, engineering and research of materials.

In addition to working on major bridge and infrastructure projects in NY Metro Area, AEIS provides these services to various industrial sectors such as building construction, aerospace, automotive, defense, electronic, manufacturing, marine, medical devices and petrochemical.

Our strength comes from skilled and qualified personnel using calibrated and adequate inspection equipment while working under the supervision of highly qualified and conscientious management. Online access to expeditious reports and deficiency logs provides you the tools necessary to expedite activities on your project.

Every project, regardless of size or scope, adheres to a robust quality assurance program, and we employ the latest technology to schedule and report all our inspections and tests. This ensures streamlined workflow both for the employee and the client. We strive to understand and anticipate the needs of our clients. We believe in being proactive and in fulfilling all tasks in the most effective way possible while managing resources in our client’s best interest.

AEIS is also designated as a Minority, Women owned, Small, Disadvantaged business enterprise (MBE+WBE+DBE+SBE), which may assist you in meeting your project goals.

Accreditations and Certifications

AEIS maintains an exemplary quality system based upon continual improvement, reflected by the many company accreditations and personnel certifications.

Corporate Certifications

![MBE Certified]
![WBE Certified]
![DBE Certified]
![SBE Certified]
Corporate Accreditations

AEIS MAINTAINS AN EXEMPLARY QUALITY SYSTEM BASED UPON CONTINUAL IMPROVEMENT, REFLECTED BY THE MANY COMPANY ACCREDITATIONS AND PERSONNEL CERTIFICATIONS.

Personnel Certifications
SCOPE OF SERVICES

Types of Representation—AEIS LLC performs services for its clients in one or more of the following ways:

1. **SPECIAL INSPECTION AGENCY SERVICES** – AEIS is accredited as a Class I Special Inspection Agency in New York City, New Jersey and able to operate in other jurisdictions, as needed.

2. **CONSTRUCTION MATERIALS LABORATORY** – The modern construction material laboratory supports the Inspection agency services by conducting a comprehensive range of tests. The laboratory is accredited by CCRL, AMRL, AASHTO, and NYCDOB.

3. **QA/QC | INDUSTRIAL INSPECTIONS** – Our Industrial Inspection department caters to large and small projects across all industrial segments. This could be a Quality Assurance or Quality Control Inspection for one day at a welding fabrication shop, a two year assignment in Asia, or an on-off work at a project in NY Metro Area for an aerospace company.

4. **NON DESTRUCTIVE TESTING SERVICES** - AEIS Specializes in Welding and NDT Inspections. Our strong management team and dedicated personnel can take up projects of any size in the field and fabrication shops around the globe. Specifically, our NDT Personnel are ACCP/ASNT Level III, Level II and EN473 Level III, Level II certified for performing NDT. Our personnel are trained and tested on a vast array of real flaw samples, calibration blocks and reference specimens. The equipment utilized is state-of-art digital equipment with the necessary accessories.

5. **ENGINEERING LABORATORY** – This comprises of ten discrete laboratories where thousands of different type of tests are performed by our research scientists, engineers and technicians. This laboratory is accredited to ISO 17025.

6. **TECHNICAL TRAINING AND CONSULTATION** – Consultation services are provided to our clients on welding, brazing, metallurgy and non-destructive testing. We also provide extensive training on these subject to the industry in NY Metro Area. Many of our courses earn CEU credits for NYSBOE and ICC certification renewal.

7. **CONSTRUCTION MANAGEMENT AND ASSET INTEGRITY** – Our CMAI team works to provide end-to-end as well as task specific solutions for ensuring timely, cost effective, and code compliant delivery of your projects.

AEIS LLC. is a dynamic, global organization that provides these services to the construction, aerospace, automotive, defense, electronic, manufacturing, marine, medical devices petrochemical industries and perform services for our clients in one or more of the following ways:
SPECIAL INSPECTION AGENCY SERVICES

SPECIAL INSPECTION AGENCY—AEIS is accredited as a Class I Special Inspection Agency in New York City, New Jersey and able to operate in other jurisdictions, as needed. Our Scope of Accreditation is as follows:

GEOTECHNICAL

- Subgrade Inspection
- Subsurface Investigations (Borings/ Test Pits)
- Pile Driving (Deep Foundation Elements/ Helical Piles)
- Excavation
- California Bearing Ratio
- Soil Percolation
EXCAVATION/ SHEETING/ SHORING
VIBRATION MONITORING

SOILS
FILL PLACEMENT AND IN PLACE SOIL DENSITY USING NUCLEAR GAGE

STRUCTURAL
STRUCTURAL STABILITY-EXISTING BUILDINGS
DEMOLITION
UNDERPINNING

MASONRY
MASONRY
VERTICAL MASONRY FOUNDATION ELEMENTS
POST–INSTALLED ANCHORS IN MASONRY

BUILDING MATERIALS | SURFACE | CONCRETE NDT
GROUND PENETRATING RADAR
REBOUND HAMMER TEST
DEFLECTION MEASUREMENT
HALF CELL POTENTIAL
ULTRASONIC PULSE VELOCITY
COVER METER
CHLORIDE ION TEST
IMPACT ECHO TESTING
WINDSOR PROBE/ PIN TEST
CRACK WIDTH MEASUREMENT
CARBONATION TEST
SONIC TESTING
FLATNESS AND LEVELNESS (FFFL)
SMOOTHNESS TESTING

CONCRETE
CONCRETE FIELD INSPECTION AND TESTS
CONCRETE PLACEMENT
CONCRETE REINFORCEMENT
PRECAST CONCRETE
PRE-SRESSED CONCRETE
CONCRETE CORING
POST–INSTALLED ANCHORS
MICROWAVE TESTING
TEMPERATURE/ MATURITY MONITORING
CONCRETE RH

STRUCTURAL STEEL & WELDING
STRUCTURAL STEEL – WELDING
STRUCTURAL STEEL DETAILS
STRUCTURAL STEEL HIGH STRENGTH BOLTING
STRUCTURAL STEEL COLD FORMED STEEL
HIGH-PRESSURE STEAM PIPING (WELDING)
HIGH-PRESSURE HOT WATER PIPING (WELDING)
HIGH-PRESSURE GAS PIPING (WELDING)
ALUMINUM WELDING
NON DESTRUCTIVE TEST INSPECTION
Ultrasonic Inspection
Magnetic Particle Inspection
Liquid Dye Penetrant Inspection
Radiographic Inspection

FIRECODE (PASSIVE)
SPRAYED FIRE-RESISTANT MATERIALS
MASTIC AND INTUMESCENT FIRE RESISTANT COATINGS
FIRE-RESISTANT PENETRATIONS AND JOINTS

PLUMBING AND MECHANICAL
SPRINKLER SYSTEMS
STANDPIPE SYSTEMS
EMERGENCY AND STANDBY POWER SYSTEMS (GENERATORS)
SMOKE CONTROL SYSTEMS
MECHANICAL SYSTEMS
FUEL-OIL STORAGE AND FUEL OIL PIPING SYSTEMS
HEATING SYSTEMS
SEISMIC ISOLATION SYSTEMS

ELECTRICAL
ELECTRICAL CODE COMPLIANCE
GROUNDING TEST
FIRE ALARM TESTS

GENERAL BUILDING CONSTRUCTION
WALL PANELS, CURTAIN WALLS AND VENEERS
EXTERIOR INSULATION FINISH SYSTEMS (EIFS)
CHIMNEYS
FLOOD ZONE COMPLIANCE (FEMA)
LUMINOUS EGRESS PATH MARKINGS
ROOFING AND WATERPROOFING
NOISE MONITORING
CRACK MONITORING
EXISTING CONDITION SURVEYS

PROGRESS INSPECTIONS
- PRELIMINARY
- FOOTING AND FOUNDATION
- LOWEST FLOOR ELEVATION
- STRUCTURAL WOOD FRAME INSPECTION
- ENERGY CODE INSPECTIONS
- FIRE-RESISTANCE RATED CONSTRUCTION
- PUBLIC ASSEMBLY EMERGENCY LIGHTING
- FINAL INSPECTION

ASPHALT
- ASPHALT PLANT INSPECTION
- ASPHALT FIELD DENSITY TESTS
- ASPHALT CORING AND TESTS
- ASPHALT SMOOTHNESS TESTING

MISCELLANEOUS SPECIAL INSPECTIONS AND FIELD TESTS
- STEEL COUPON EXTRACTION
CONSTRUCTION MATERIAL LABORATORY

SOILS TESTING

- STANDARD/ MODIFIED PROCTOR
- SIEVE ANALYSIS/ HYDROMETER
- SPECIFIC GRAVITY
- COMPRESSIVE STRENGTH
- ORGANIC CONTENT
- SOIL PH
- SIEVE ANALYSIS/ GRADATION
- ATTERBERG LIMITS
- CALIFORNIA BEARING RATIO
- SHEAR STRENGTH
- SOIL RESISTIVITY
CONCRETE TESTING
- Concrete Core Compressive Strength
- Concrete Beam Flexure Strength
- Concrete Chloride Permeability
- Concrete Design Mix (QA Only)
- Concrete Cylinder Compressive Strength
- Concrete Tensile Strength
- Concrete Shrinkage

MASONRY/ MORTAR/ GROUT TESTING
- Prism Compressive Strength
- GROUT Compression Strength
- CMU/ Brick Compression Test
- Mortar Compressive Strength
- CMU/ Brick Absorption Test
- Bond Strength Mortar/ Masonry

AGGREGATE TESTING
- Lightweight Particles in Aggregate
- Sieve Analysis of Aggregates
- Soundness of Aggregates
- Specific Gravity/ Absorption of Aggregate
- Moisture Content of Aggregate
- Los Angeles Abrasion Test

ASPHALT TESTING
- Bulk Specific Gravity and Density
- Gradation of Extracted Aggregate
- Air Voids
- Theoretical Specific Gravity
- Asphalt Content by Ignition
- Marshall Stability

FIRECODE TESTING
- SFRM Density
NON DESTRUCTIVE TESTING SERVICES [AEISNDT.COM]
METALS AND COMPOSITES NDT
- Ultrasonic Testing
- NYS DOT UT Testing
- Electromagnetic Testing
- Penetrant Testing
- Weld Visual – AWS CWI
- Weld Visual – Borescope
- Positive Material Identification
- Hardness Survey
- Residual Weld Stress Measurement
- Ultrasonic Phased Array Inspections
- Ultrasonic Thickness Survey
- Magnetic Particle Testing
- Radiographic Testing
- Weld Procedure and Welder Qualification
- API Inspections
- In-Situ Chemical Analysis
- Infrared Thermography
- Vibration Analysis

BUILDING MATERIALS | SURFACE | CONCRETE NDT
- Ground Penetrating Radar
- Rebound Hammer Test
- Deflection Measurement
- Half Cell Potential
- Ultrasonic Pulse Velocity
- Cover Meter
- Chloride Ion Test
- Impact Echo Testing
- Windsor Probe/ Pin Test
- Crack Width Measurement
- Carbonation Test
- Sonic Testing
- Flatness and Levelness (FFFL)
- Smoothness Testing

COATING INSPECTION SERVICES
- SSPC QP5 Inspections
- NACE Level 1/2/3 Inspections
- Low/ High Voltage Holiday Testing
- Coatings Program Management
- Intumescent Coating Inspections
- Coatings Failure Investigation
QA/ QC | INDUSTRIAL INSPECTION

QUALITY ASSURANCE/ OVERSIGHT ON INFRASTRUCTURE PROJECTS

THIRD PARTY INSPECTIONS AT VENDOR PREMISES

EXPEDITING SERVICES FOR CRITICAL COMPONENTS AFFECTING PROJECT DELIVERY

CONSTRUCTION QUALITY AUDITS
CONSTRUCTION PROJECT MANAGEMENT AND ASSET INTEGRITY

- PROJECT MANAGEMENT
- FAILURE MODEL AND EFFECT ANALYSIS (FMEA)
- INSPECTION ENGINEERING
- RISK BASED INSPECTION
- ENGINEERING CRITICAL ASSESSMENT
- FITNESS FOR SERVICE EVALUATION
- RESIDUAL LIFE ASSESSMENT
ENGINEERING LABORATORY SERVICES

FAILURE ANALYSIS AND MODELLING LAB [FAILUREANALYSIS.COM]

- WELD FAILURES
- MANUFACTURING FAILURES
- FRACTURE AND FATIGUE FAILURES
- CORROSION FAILURES
- WEAR FAILURES
- FINITE ELEMENT MODELLING
WELD TEST LAB
- TRANSVERSE/ LONGITUDINAL WELD TENSILE
- CHARPY V NOTCH
- HARDNESS
- WELDABILITY
- STUD WELDS
- ALL WELD METAL TENSILE
- BEND TEST
- SHEAR/ BREAK/ NICH BREAK
- TUBE-TO-TUNESHEET
- SHEET METAL/ RESISTANCE WELDING

MECHANICAL LAB
- TENSILE/ COMPRESSION/ FLEXURE
- HARDNESS/ MICROHARDNESS
- IMPACT (CVN/ IZOD/ DWTT)
- FATIGUE & STRESS RUPTURE

CHEMICAL LAB
- OPTICAL EMISSION SPECTROSCOPE
- X-RAY FLOURESCENCE
- ATOMIC ABSORPTION SPECTROSCOPI
- C/S COMBUSTION ANALYSIS

METALLURGICAL LAB
- METALLURGICAL EVALUATIONS
- SCANNING ELECTRON MICROSCOPY
- GRAIN SIZE
- COATING ANALYSIS
- ENERGY DISPERSIVE X-RAY SPECTROSCOPY
- SETREOSCOPIC EVALUATION

NDT LAB
- RADIOGRAPHY (X-RAY) CABINET
- MAGNETIC PARTICLE (BENCH)
- EDDY CURRENT
- ULTRASONIC TESTING
- PHASED ARRAY ULTRASONIC TESTING
- MAGNETIC PARTICLE

CORROSION LAB
- SALT FOG AND SALT SPRAY TESTING
- ACCELERATED LIFE TESTING

PRODUCT TESTING LAB
- SPORTING GOODS
- CONSUMER PRODUCT TESTING

CALIBRATION LAB
- METROLOGY
- TORQUE
- NDT EQUIPMENT
- PRESSURE GAGES

WELDER QUALIFICATION LAB [IWELDUSA.COM]
- NYC STRUCTURAL WELDER TEST (AWS)
- AWS ACCREDITED WELDER TEST
- PLATE COUPONS
- NYC PIPE WELDER TEST
- API WELDER TEST
- PIPE COUPONS
Technical Training — Technical training is provided in welding, inspection and Nondestructive Testing. We also conduct several code clinics to discuss various construction code aspects.

- Non Destructive Testing
- Code Clinics
- Lunch n Learn Courses
- Engineering/ Technical Information Courses
Consultation Services

- NDT LEVEL III SERVICES
- PRE-AUDIT GAP ANALYSIS
- ROOT CAUSE ANALYSIS
- WELDING CONSULTATION SERVICES
- QUALITY AUDITS

Why AEIS?

Atlas Evaluation & Inspection Services is striving to bring the latest in technological advancement for the services provided. The professionals at AEIS are committed to our client’s success. We believe in providing quality services of unmatched value. Many characteristics have given AEIS the edge over many other service providers in the industry, including the following:

- Comprehensive company for all your Inspection and Testing Needs
- Industries’ leading are a phone call away
- Specialization in an extremely wide array of Non-Destructive Testing Techniques
- Metallurgists with vast experience
- Latest technological support from our offices worldwide
- Dedicated Customer Service
- Online Project Deficiency Tracking System with Client Access
- Online Access of Inspection Reports for Clients
- Knowledgeable, skilled and dependable inspectors
- Competitive Pricing
- NYC Special Inspection Agency Accreditation (See Certificate for Scope)
- ISO 17025 Laboratory (See Certificate for Scope)
- CCRL approved Concrete Testing Laboratory
- SSPC approved QP5 Coating Inspection Agency
- Our international locations are approved by many large domestic & foreign customers as well as government installations and subcontractors
- Numerous Value Added Services
- No Minimum Service Orders

If you are looking for committed professionals in technical consulting, training, inspection, and research in the areas mentioned above please call Atlas Evaluation & Inspection Services. You will be sure to find the quality service that you deserve.