



Our Professional Knowledge
Your Business Advantage

An aerial photograph of a large-scale construction project in a dense urban area. The image shows several tall buildings under construction, with cranes and scaffolding visible. The ground is covered in construction materials and equipment. The surrounding city is visible in the background, with various other buildings and streets.

AEIS OUR PROFESSIONAL KNOWLEDGE YOUR BUSINESS ADVANTAGE

STATEMENT OF QUALIFICATION



732 388 7711



www.aeis.com

801 Montrose Ave., South Plainfield, NJ 07080

INSPECTION | TESTING | FAILURE ANALYSIS | ENGINEERING | RESEARCH | TRAINING

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.



CORPORATE ACCREDITATIONS



PERSONNEL CERTIFICATIONS



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

SCOPE OF SERVICES

TYPES OF REPRESENTATION

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

ENGINEERING LABORATORY

CONSTRUCTION MATERIALS LABORATORY

TECHNICAL TRAINING AND CONSULTATION

QA/ QC INDUSTRIAL INSPECTIONS

CONSTRUCTION MANAGEMENT AND ASSET INTEGRITY

NON DESTRUCTIVE TESTING SERVICES

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.

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.

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.

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.

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.

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.

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.

SCOPE OF SERVICES

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. Our Scope of Accreditation is as follows:



TYPES OF REPRESENTATION

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 GAUGE

STRUCTURAL

STRUCTURAL STABILITY-EXISTING BUILDINGS
DEMOLITION
UNDERPINNING

MASONRY

MASONRY
VERTICAL MASONRY FOUNDATION ELEMENTS
POST-INSTALLED ANCHORS IN MASONRY

BUILDING MATERIALS | SUBSURFACE | CONCRETE NDT

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

CONCRETE

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

STRUCTURAL STEELAND 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, Radiograph 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

STEEL COUPON EXTRACTION

SCOPE OF SERVICES

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.



TYPES OF REPRESENTATION

SOILS TESTING

STANDARD/ MODIFIED PROCTOR
SIEVE ANALYSIS/ GRADATION
SIEVE ANALYSIS/ HYDROMETER
ATTERBERG LIMITS
SPECIFIC GRAVITY
CALIFORNIA BEARING RATIO
COMPRESSIVE STRENGTH
SHEAR STRENGTH
ORGANIC CONTENT
SOIL RESISTIVITY
SOIL PH

CONCRETE TESTING

CONCRETE CORE COMPRESSIVE STRENGTH
CONCRETE CYLINDER COMPRESSIVE STRENGTH
CONCRETE BEAM FLEXURE STRENGTH
CONCRETE TENSILE STRENGTH
CONCRETE CHLORIDE PERMEABILITY
CONCRETE SHRINKAGE
CONCRETE DESIGN MIX (QA ONLY)

MASONRY/ MORTAR/ GROUT TESTING

PRISM COMPRESSIVE STRENGTH
MORTAR COMPRESSIVE STRENGTH
GROUT COMPRESSION STRENGTH
CMU/ BRICK ABSORPTION TEST
CMU/ BRICK COMPRESSION TEST
BOND STRENGTH MORTAR/ MASONRY

AGGREGATE TESTING

LIGHTWEIGHT PARTICLES IN AGGREGATE
SPECIFIC GRAVITY/ ABSORPTION OF AGGREGATE
SIEVE ANALYSIS OF AGGREGATES
MOISTURE CONTENT OF AGGREGATE
SOUNDNESS OF AGGREGATES
LOS ANGELES ABRATION TEST

ASPHALT TESTING

BULK SPECIFIC GRAVITY AND DENSITY
THEORETICAL SPECIFIC GRAVITY
GRADATION OF EXTRACTED AGGREGATE
ASPHALT CONTENT BY IGNITION
AIR VOIDS
MARSHALL STABILITY

FIRECODE TESTING

SFRM DENSITY

SCOPE OF SERVICES

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.



TYPES OF REPRESENTATION

METALS AND COMPOSITES

ULTRASONIC TESTING
ULTRASONIC PHASED ARRAY INSPECTIONS
NYS DOT UT TESTING
ULTRASONIC THICKNESS SURVEY
ELECTROMAGNETIC TESTING
MAGNETIC PARTICLE TESTING
PENETRANT TESTING
RADIOGRAPHIC TESTING
WELD VISUAL – AWS CWI
WELD PROCEDURE AND WELDER QUALIFICATION
WELD VISUAL – BORESCOPE
API INSPECTIONS
POSITIVE MATERIAL IDENTIFICATION
IN-SITU CHEMICAL ANALYSIS
HARDNESS SURVEY
INFRARED THERMOGRAPHY
RESIDUAL WELD STRESS MEASUREMENT
VIBRATION ANALYSIS

BUILDING MATERIALS | SURFACE | CONCRETE NDT

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

COATING INSPECTION SERVICES

SSPC QP5 INSPECTIONS
COATINGS PROGRAM MANAGEMENT
NACE LEVEL 1/2/ 3 INSPECTIONS
INTUMESCENT COATING INSPECTIONS
LOW/ HIGH VOLTAGE HOLIDAY TESTING
COATINGS FAILURE INVESTIGATION

SCOPE OF SERVICES

QA/ QC INDUSTRIAL INSPECTION

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.



TYPES OF REPRESENTATION



QUALITY ASSURANCE/ OVERSIGHT ON
INFRASTRUCTURE PROJECTS

THIRD PARTY INSECTIONS AT VENDOR PREMISES

EXPEDITING SERVICES FOR CRITICAL
COMPONENTS AFFECTING PROJECT DELIVERY

CONSTRUCTION QUALITY AUDITS

SCOPE OF SERVICES

CONSTRUCTION PROJECT 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.



TYPES OF REPRESENTATION



CONSTRUCTION PROJECT MANGEMENT

PROJECT MANAGEMENT
ENGINEERING CRITICAL ASSESSMENT
FALIURE MODEL AND EFFECT ANALYSIS (FMEA)
FITNESS FOR SERVOCE EVALUATION
INSPECTION ENGINEERING
RESIDUAL LIFE ASESSMENT
RISK BASED INSPECTION

SCOPE OF SERVICES

ENGINEERING LABORATORY SERVICES

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.



TYPES OF REPRESENTATION

FAILURE ANALYSIS AND MODELLING LAB

WELD FAILURES
MANUFACTURING FAILURES
FRACTURE AND FATIGUE FAILURES
CORROSION FAILURES
WEAR FAILURES
FINITE ELEMENT MODELLING

WELD TEST LAB

TRANSVERSE/ LONGITUDINAL WELD TENSILE
ALL WELD METAL TENSILE
CHARPY V NOTCH
BEND TEST
HARDNESS
SHEAR/ BREAK/ NICH BREAK
WELDABILITY
TUBE-TO-TUNESHEET
STUD WELDS
SHEET METAL/ RESISTANCE WELDING

MECHANICAL LAB

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

CHEMICAL LAB

OPTICAL EMISSION SPECTROSCOPE
ATOMIC ABSORPTION SPECTROSCOPY
X-RAY FLOURESCENCE
C/S COMBUSTION ANALYSIS

METALLURIGICAL LAB

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

NDT LAB

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



CORROSION LAB

SALT FOG AND SALT SPRAY TESTING
ACCELERATED LIFE TESTING

PRODCUT TESTING LAB

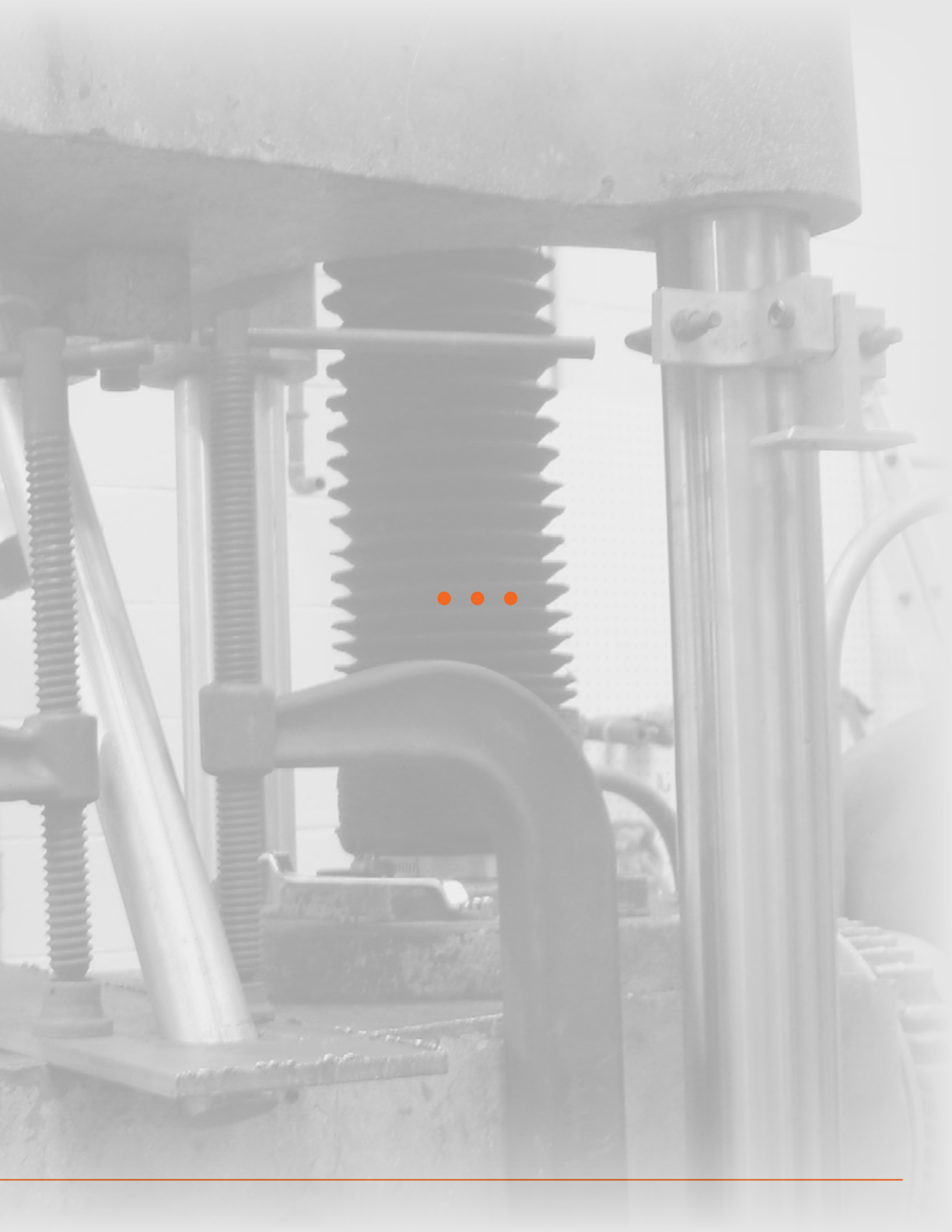
SPORTING GOODS
CONSUMER PRODUCT TESTING

CALIBRATION LAB

METROLOGY
NDT EQUIPMENT
TORQUE
PRESSURE GAGES

WELDER QUALIFICATION LAB [IWELDUSA.COM]

NYC STRUCTURAL WELDER TEST (AWS)
NYC PIPE WELDER TEST
AWS ACCREDITED WELDER TEST
API WELDER TEST
PLATE COUPONS
PIPE COUPONS



SCOPE OF SERVICES

TECHNICAL TRAINING AND CONSULTATION [www.indt.com]

Technical training is provided in welding, inspection and Nondestructive Testing. We also conduct several code clinics to discuss various construction code aspects.



TYPES OF REPRESENTATION



TECHNICAL TRAINING

NON DESTRUCTIVE TESTING
CODE CLINICS
LUNCH N LEARN COURSES
ENGINEERING/ TECHNICAL INFORMATION COURSES

CONSULTATION SERVICES

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

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.



- CONTACT US -



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