

## SERVICES PROVIDED



New Construction



Demolition & Dismantlement



Modifications, Upgrades & Replacements



Mechanical, Electrical, Civil/Structural



Modularization & Equipment Fabrication



Plant Equipment & Component Replacements



Facility Maintenance & Temporary Structures

# AECON

## YOUR COMPLETE SOLUTIONS PROVIDER

Building what matters to enable future generations to thrive



## OFFICE LOCATIONS

NQA-1



Aecon provides a full spectrum of Engineering, Procurement, Fabrication, & Construction (EPFC) services, along with NQA-1 capabilities, specifically tailored to meet the demanding requirements of the federal sector.

### NAICS CODES

238220, 238210, 238290, 238110, 238120, 238910, 238990, 236210, 236220, 332312, 332313, 332322, 332710, 332721, 332996, 332999

CAGE: 8B3S1 | DUNS: 075304721 | SAM UE: JN3XEMLEJNS3

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# EPFC SERVICES

Aecon provides a full spectrum of services for refurbishment, maintenance, new build, decommissioning, modularization, and fabrication to build what matters and enable future generations to thrive.

Our Building Smarter Program deploys systems & tools to enable teams to find and eliminate waste.



## WHY AECON?

Our complete range of client solutions spans the full project lifecycle from project development, financing, and investment through construction and turnover, and into commissioning, operations, and maintenance.

 Long history of successful partnerships	 Self perform capabilities	 Robust safety program & project controls	 Financial stability & risk management
 Innovation & integrated digital delivery	 Continuous improvement program	 Traditional & collaborative contract models	 Focus on sustainability & decarbonization

Our **Integrated Project Delivery Approach** enables us to deliver some of the largest, most complex projects in the U.S. in each of the major areas below, providing both general contracting and specialty services as a complete solutions provider.



### NEW CONSTRUCTION / NEW BUILD

- // Aiken County / SRNL – Hydrogen production demonstration system
- // Fabrication & installation
- // SRNS – Ground water well remediation piping, fabrication & installation of remediation well head assembly & HDPE underground piping
- // Ford – Combined & hazardous waste storage buildings
- // Toyota – TBMNC HEV lines 1-4
- // Toyota – TMMAL TRU02 utility pull ahead
- // Toyota – TMMAL 152E machining line



### MODIFICATIONS, UPGRADES & REPLACEMENTS

- // SRNS – Temp HVAC support
- // SRNS – Fire door removal and mechanical modifications
- // TVA – SGR Project piping removal & field machining
- // TVA – Removal of SG blowdown piping & components
- // Dominion – NAPS condenser replacement project
- // Dominion – SLR heat exchanger replacements
- // Entergy – Fitzpatrick feedwater heater replacement



### DEMOLITION, SEGREGATION, & DISMANTLEMENT

- // SRNS – Mox dismantlement & removal
- // SRNS – Building 226F concrete dismantlement & removal
- // ORNL – Building 3042 fuel pool clean-up, reactor segmentation & removal, pool internals dismantlement & removal
- // NS Savannah – Reactor, steam generator internals & RCS piping segmentation & removal

# SPECIALTY SERVICES



## WELDING, FABRICATION, MACHINING & ELECTRICAL CAPABILITIES

### NUCLEAR FABRICATION AND MACHINING

- // Nuclear class 1, 2, 3 components
- // Modularization
- // Process systems and skids
- // Structural steel
- // Pipe spool (1/2" up to 90")
- // Spare and replacement parts
- // Off-site equipment overhauls and refurbishments
- // Tight tolerance
- // Pre-and-post-weld heat treatment facilities
- // Pipe bending & water jetting
- // Prototyping
- // Inspection and testing

### FIELD SERVICE SPECIALTY WELDING & MACHINING

- // Orbital/manual welding:
  - GTAW—Gas tungsten arc welding
  - GMAW—Gas metal arc welding
  - FCAW—Flux cored arc welding
  - SMAW—Shielded metal arc welding
- // Preheat utilizing induction heating
- // Autogenous welding
- // Mechanized plasma & oxy/acetylene cutting
- // Pipe and large vessel segmentation up to 17 feet in diameter
- // Precision beveling & compound weld prep
- // Flange facing up to 120 inches in diameter
- // O-ring groove machining
- // Precision boring bar operation
- // Stud removal
- // Technical support
- // Special applications engineering

### ELECTRICAL AND I&C SERVICES

- // Process electrical infrastructure
- // 15kV switchgear
- // 15kV cabling
- // 5kV switchgear
- // 5kV cabling
- // Low voltage switchgear
- // Low voltage cabling
- // Low voltage distribution
- // Heat trace installs
- // Electrical panel pre-fabrication
- // Instrumentation installation
- // Lighting
- // BAS systems



# QUALITY CERTIFICATIONS

As an NQA-1 and ASME N-Stamp specialty fabricator, Aecon Nuclear complies with stringent ASME Section III and NRC regulations.

**NQA-1**



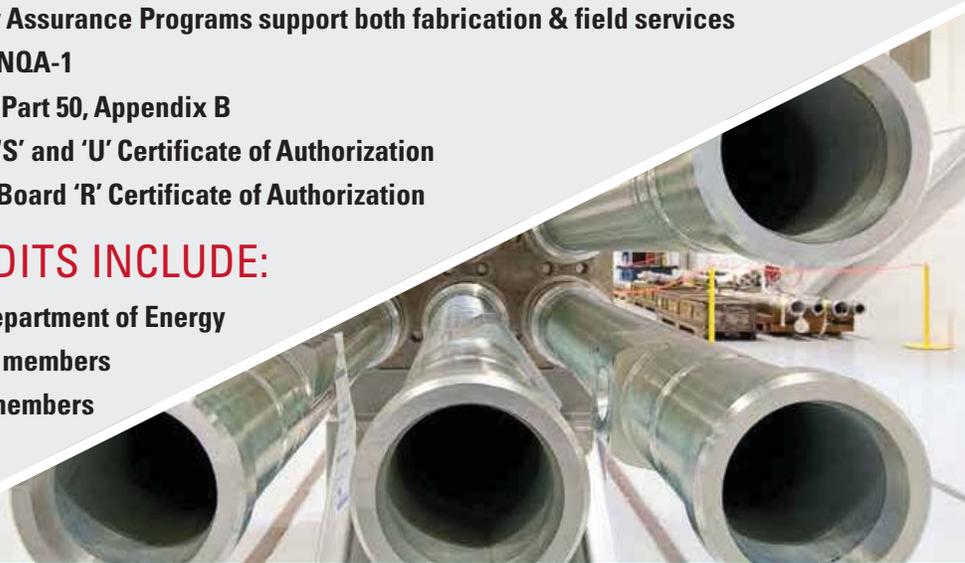
Aecon Nuclear’s fabrication and modularization services feature strict Nuclear-Grade and Commercial-Grade Dedicated material management processes.

## AECON QUALITY ASSURANCE MANUAL CONFORMS TO:

- // Quality Assurance Programs support both fabrication & field services
- // ASME NQA-1
- // 10 CFR Part 50, Appendix B
- // ASME ‘S’ and ‘U’ Certificate of Authorization
- // ASME Board ‘R’ Certificate of Authorization

## QA AUDITS INCLUDE:

- // U.S. Department of Energy
- // NUPIC members
- // NIAC members



# PROCUREMENT PARTNERING APPROACH

Our partnering approach is to work with many types of businesses to help both Aecon and our customers achieve diversity spend targets, and to provide growth opportunities for local and disadvantaged businesses.

We partner with businesses to provide services including:

- // Professional staffing
- // Quality control & quality assurance
- // EHS & industrial hygiene professionals
- // Project management
- // Project controls & scheduling
- // Risk management
- // Planning
- // Materials & supplies
- // Rental equipment
- // Fabrication & machining
- // Estimating

As part of Aecon's Supplier Diversity Program we actively promote and engage a wide spectrum of US-based certified diverse-owned businesses including:

Small Business (SB), Small Disadvantaged Business (SDB), Women-Owned Small Business (WOSB), HUBZone Small Business (HUBZone), Veteran-Owned Small Business (VOSB), and Service-Disabled Veteran-Owned Small Business (SDVOSB).