

# AECON

## YOUR COMPLETE SOLUTIONS PROVIDER

Building what matters to enable future generations to thrive

### SERVICES PROVIDED



Specialty Welding & Machining



Outage Services



Nuclear Fabrication



Project Managed Scopes of Work



### OFFICE LOCATIONS

At Aecon Nuclear, we know that to be competitive in the future, we need to be innovative today.



As a leading total solutions provider with more than 50 years of safe, industry experience, Aecon offers in-depth knowledge and a broad range of nuclear qualifications to support our nuclear power clients in the construction and maintenance of their facilities.

Aecon provides a strategic approach to schedule, quality, safety, dose, and cost-sensitive projects by utilizing automated tooling and special processes, tapping into the expertise of a highly-skilled workforce, and managing work via industry-experienced project management and supervision.

### CONTACT



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NQA-1



[aecon.com/us](http://aecon.com/us)

# SPECIALTY SERVICES

## SPECIALTY WELDING & MACHINING

- // Over 300 approved welding procedures
- // 24/7 emergent response team
- // SME welders for nuclear class 1, 2, & 3 components
- // Orbital GTAW, GMAW, & FCAW
- // Autogenous welding
- // Remote video welding for limited access and high-dose areas
- // ID & OD overlays
- // Flow accelerated piping replacement
- // Mechanized hot wire TIG
- // Welding equipment technicians
- // Field machinist & machining equipment
- // Pre-and-post-weld heat treatment
- // NDE services
- // QC & certified weld inspectors
- // In-body valve seat repairs

## OUTAGE SERVICES

- // Dedicated project management teams
- // Dedicated project controls teams
- // Pipefitter & boilermaker craft augmentation
- // Turnkey modifications
- // Large component replacements
- // Plant equipment modifications, upgrades & replacements
- // Mechanical, electrical & civil/structural
- // Inspection and testing
- // Specialized weld engineering
- // Turnkey balance of plant welding & mechanical

## NUCLEAR FABRICATION

- // 150,000 square-foot fabrication shop (Jackson, SC)
- // Pipe spool prefabrication
- // Custom steel fabrication
- // Module fabrication & assembly
- // Nuclear class 1, 2, 3 components
- // Process systems and skids
- // Structural steel fabrication
- // Spare and replacement parts
- // Tight tolerance fabrication
- // Paint and blast facilities
- // RT vault facilities
- // Inspection and testing

# 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 'S' and 'U' Certificate of Authorization
- // ASME Board 'R' Certificate of Authorization
- // 10 CFR Part 50, Appendix B
- // ASME NQA-1

## QA AUDITS INCLUDE:

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