

Committed to the Nuclear Industry



American Crane & Equipment Corporation, a privately held U.S. company with headquarters in eastern Pennsylvania, is proud to be celebrating its 40th year of business! Since 1972, American Crane has been one of the most innovative manufacturers of high quality specialty lifting equipment for nuclear applications. The design and manufacture of custom equipment, with special attention to the rigorous standards of nuclear quality assurance, has been the company's primary business focus.

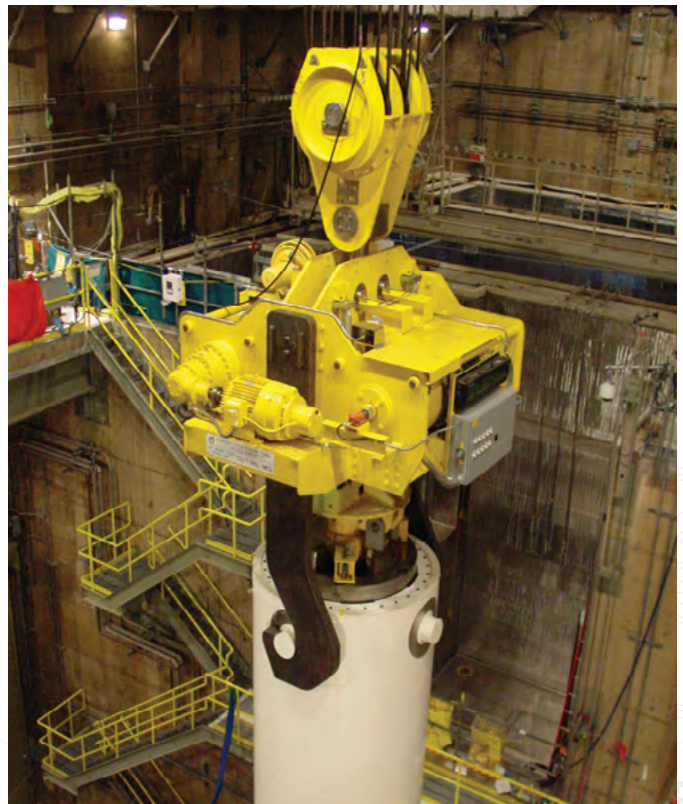
American Crane's conceptual design for single failure proof cranes provides up to 350 tons capacity with the ability to meet requirements for design and manufacture of higher capacities through 1,000 tons. By successfully providing the majority of single failure proof crane upgrades for dry spent fuel storage in the United States, American Crane has proven its expertise in supplying equipment for the nuclear industry.

The SAFLIFT™, one of American Crane's patented products, is used for dry spent fuel processing operations. The SAFLIFT™ eliminates seismic stack-up stability risk and reduces ALARA concerns when transferring the canister to the cask. Extensive experience with nuclear power plant requirements has enabled American Crane to meet its customers' specifications and schedules. Over the years, customers have included nuclear utility businesses, Department of Energy sites and laboratories, military facilities, and aerospace companies.

American Crane has made other significant investments to meet the nuclear industry's demand for high quality cranes and next generation equipment design. For instance, to accommodate the demands of the specialty lifting equipment market, American Crane has increased its operations and work force to include three locations near Philadelphia, PA. This manufacturing expansion and increase in highly skilled labor has the scalability to meet future market demands.

As a supplier to the nuclear industry, American Crane has maintained a Quality Assurance Program since 1996 that meets both 10 CFR 50, Appendix B, and ASME NQA-1 standards. American Crane's quality program has been audited by commercial nuclear utilities, NUPIC, and DOE contractors.

Entrust your future crane needs to one of the nuclear industry's most innovative and committed leaders.



Keys to American Crane's Nuclear success

- Resume of Completed Projects
- Company-Wide Focus on Nuclear
- NRC Licensing Experience
- Mature Appendix B QA Program
- In-house Engineering Staff
- Extensive Seismic Background
- Sufficient Manufacturing Capability

Manufacturing

- State-of-the-Art Material Preparation
- Certified Welders per AWS D1.1/AWS D14.1
- In-House Electrical Panel Building Shop
- UL508 Certified Panel Shop
- Machine Shop with CNC Capability
- One of the Largest Boring Mills in the Northeastern United States (X=30', Y=14', Z=5')

Locations

Douglassville, PA

- Corporate Headquarters (107,000 sq.ft.)
- Service, Parts & Standard Crane Division (20,000 sq.ft.)

LESTER, PA

- Manufacturing Support Division (100,000+ sq.ft.)

Service

- Load Testing up to 200 Tons
- On-site Support
- Product Support
- Outage Support
- Retrofit and Upgrades
- Inspections
- Resident Technicians for Continuous Site Support
- Training

Products & Services

- Custom Cranes and Material Handling Equipment for Most Applications Including Nuclear, DOE Aerospace, Explosion Proof, and Single Failure Proof
- Standard Pre-Engineered Industrial Cranes
- Full Line of Industrial Hoists
- Specialized Equipment Including Bridge
- Maintenance Travelers
- Lift Beams and Grapples
- Field Service Support

Spare Parts

- Dedicated Spare Parts Group
- Parts available for American Crane and other OEM's equipment.
- Authorized Stocking Distributor of AL-Vac, Budgit, CM, Chester Hoist, Coffing, Gobel, Little Mule, Munck, Shaw-Box, YALE & more.
- Custom Fabrication for Unique Parts
- Nuclear Safety Related Crane Parts
- Engineering Support
- In-House Machining



Engineering

- Mechanical and Machine Design
- Structural Design and Analyses
- Dynamic Modeling and Seismic
- Failure Modes and Effects Analyses
- AutoCad, MathCad, Solidworks, SAP2000, and ANSYS
- Complete Control System Design
- Remote Systems
- Automated Systems
- Software Development including Real Time Graphics
- Complete Licensing Success with NRC
- Support for 50.59 Evaluations

Quality Assurance

- 10 CFR 50 Appendix B/NQA-1 Quality Program for Nuclear Projects
- NUPIC Audited
- Welding controlled to AWS D1.1 or D14.1
- SNT-TC-1A Qualified NDT Personnel
- Graded Controls Based on Customers' Requirements
- In-House Non-Destructive Testing

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