



**NAC International** is the missing piece of the puzzle that your company needs for technical and quality assurance oversight of nuclear fuel fabrication.



**FOR MORE INFORMATION**

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For more than 40 years, NAC International has provided services to the domestic and international nuclear industry through its headquarters in the United States, and its offices in the United Kingdom, Russia, and Japan.

NAC International has provided nuclear energy consulting, training, information services and spent fuel management technologies to utilities, government agencies, producers, fuel vendors and financial institutions worldwide since 1968. NAC's Management Consulting Group has provided solutions to challenging corporate and nuclear plant management issues including direct on site support and advice to senior management. The Management Consulting Group offers its clients a full range of assessment, inspection, and project specific support capability.

NAC International provides Quality Assurance audit and oversight of all facets of the nuclear fuel fabrication process and associated core components including, but not limited to:

- Procedures, processes, drawings, specifications, instructions, and implementation
  - Vendor quality component evaluation and control (i.e. Top/Bottom Nozzles, Gasket Material, Grid Straps, Fuel Rods, Fuel Channels, Control Rods/Blades, In-Core Instrumentation, etc.)
  - Receipt Inspection/Material Handling
  - Metallurgical and Chemical Laboratory processes
  - Pellet fabrication and rod loading
  - Measuring & Test Equipment
  - Grid assembly
  - Skeleton assembly
  - Final assembly
  - Fuel assembly cleaning
  - Packing and shipping
  - Inspector and operator training
  - Quality Control in-process and final inspections
  - Nonconformance control/Corrective Action program implementation
  - Open Finding/Observation review, response evaluation and close out
- Performance-based oversight training and program development
- Engineering and statistical assessments of manufacturing processes and inspections
- Technical oversight and Technical Specialist (TS) support of audits and surveillance activities