

# Adam M. Smith, PMP

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## Career Summary

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- Engineering Project Manager with 20 years of experience working in highly regulated industries that include commercial nuclear power, the Department of Energy, and Department of Defense.
- Demonstrated leader of global cross-functional teams with proven ability to deliver major projects.
- Strong Mechanical Engineering background with strengths in design, analysis, and testing.
- Six Sigma Black Belt and Continuous Improvement leader with Lean Manufacturing experience.
- Certified Project Management Professional.

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## Skills

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Mechanical Engineering • Project Management • Product Development • Hardware Design • Licensing  
Manufacturing • Innovation • Requirements Management • Risk Management • Data Analysis

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## Professional Experience

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### Oak Ridge National Laboratory (2021 – Present)

#### Senior R&D Staff Engineer, Oak Ridge, TN

(June 2021 – Present)

Innovative nuclear reactor development engineer responsible for the manufacturing and deployment of advanced nuclear technologies.

- Provide project leadership to strategically advance the design, construction, deployment and operation of innovative nuclear power plants.
- Lead nuclear research and development programs with project sponsors, researchers, and operations staff to advance the nuclear industry.
- Collaborate with industry and strategic partners to introduce new and innovative manufacturing technologies for nuclear safety and security.
- Support the regulation and licensing of new reactor technology.

### Westinghouse Electric Company (2006 – 2021)

#### Program Manager, Columbia, SC

(June 2020 – May 2021)

Engineering Program Manager responsible for high energy nuclear fuel including the hardware design, engineering methods, manufacturing implementation, transport, and licensing.

- Led a \$70M+ high complexity, cross-cultural, cost-share program funded in collaboration with the Department of Energy for the advancement of High Energy Fuel.
- Cultivated relationships with government, university, and industry partners to optimize accident tolerant, high energy fuel products through industry research and commercial implementation.
- Supported the development of engineering codes and methods to enable high burnup with high enriched fuel enabling longer fuel operating cycles and improved fuel cycle economics.
- Collaborated with customers and the Nuclear Regulatory Commission to license high energy fuel while ensuring full regulatory compliance and adherence industry standards.

#### Advanced Project Manager, Columbia, SC

(January 2016 – May 2020)

Engineering Project Manager responsible for global product development of nuclear fuel products

- Led innovation programs for new fuel product development projects across various engineering disciplines including design, testing, analysis, licensing and manufacturing.
- Demonstrated successful delivery of first-of-a-kind projects, including the world's first additively manufactured core component installed in a commercial reactor.
- Managed projects from concept through implementation ranging in size from \$1M to \$5M.

## **Westinghouse Electric Company (Continued)**

### **Project Manager, Pittsburgh, PA**

(February 2013 – December 2015)

Managed an engineering team to design, manufacture and install control room consoles and equipment for the Barakah Nuclear Power Plant Main Control Room in the United Arab Emirates.

- Delivered a \$10M international project that included a U.S designed Man-Machine Interface System that was manufactured in Japan and installed in the United Arab Emirates.
- Led cross-functional teams for all phases of the project including design, sourcing, procurement, manufacturing, assembly, testing, shipping, and installation.
- Responsible for factory acceptance testing, compilation of Owners Records Packages for equipment certification and licensing by the regulatory agency.

### **Principal Project Engineer, New Stanton, PA**

(February 2008 – January 2013)

Continuous Improvement Leader responsible for business improvements through the implementation of lean manufacturing, six sigma, and human error reduction principles.

- Program Lead for continuous improvement initiatives at ten sites responsible for management and oversight of governance documentation, program schedules, reporting, and budget.
- Implemented a systematic approach to improvement with the 12-step DMAIC process to Define, Measure, Analyze, Improve, and Control manufacturing and organizational process changes.

### **Senior Engineer, New Stanton, PA**

(February 2006 – January 2008)

Mechanical Engineer for seismic and environmental qualification of safety related systems and components.

- Led seismic and environmental qualification test programs of electro-mechanical instrumentation and control equipment for nuclear power plants.
- Performed analysis and verification of structural components through development of finite element models and calculations.

## **Sandia National Laboratories (2001 – 2006)**

### **Senior Engineer, Albuquerque, NM**

(June 2001 – January 2006)

Mechanical engineer responsible for providing design through analysis support of nuclear weapon systems and components for stockpile life extension programs.

- Provided structural and thermal analysis support for the B61, W76, and W87 weapon systems.
- Created high fidelity models to assess component responses in complex aerospace structures.

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### **Software**

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SAP Enterprise Software • Active Risk Manager (ARM) • Microsoft Project • Primavera P6 • SharePoint  
Microsoft Office (Excel, Word, Outlook, PowerPoint, Visio) • Adobe Acrobat Professional  
Pro/Engineer • Pro/Mechanica • SolidWorks • Cosmosworks • ANSYS • MSC Patran / Nastran • Mathcad

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### **Education**

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#### **Master of Science in Engineering Mechanics**

New Mexico Institute of Mining and Technology, Socorro, NM

Graduated: May 2006

G.P.A. 4.0/4.0

#### **Bachelor of Science in Mechanical Engineering Technology**

The Pennsylvania State University, Erie, PA

Graduated: May 2001

G.P.A. 3.4/4.0

### **Awards / Certifications**

NEI Top Innovative Practice Award

2020

Project Management Professional (PMP) Certification #1953752

(August 2016 – Present)

Lean / Six Sigma Black Belt Certification

(2008 – 2010)