





Aaron Goodin

CONTACT

 (208) 850-8152

 goodinar@ornl.gov

 Knoxville, TN

EDUCATION

Bachelor of Science in
Mechanical Engineering
University of Idaho
2003-2007

Master of Science in
Mechanical Engineering
University of Idaho
2007-2009

Professional Engineer (PE)
Licensed in WA

EXPERTISE

Project Management

Leadership and Development

Abaqus/ANSYS FEA

Multiple CAD Programs

All Microsoft Tools

Current DOE Q Clearance

PROFESSIONAL PROFILE

Experienced leader with expertise in contracts, project management and continuous improvement. Proven performance in high-stress environments with \$1M - \$200M typical funding allocations for individual projects. Skilled problem solver with 15 years of engineering experience who can handle complex technical issues in various disciplines with an innate ability to work with different personalities to ensure prompt and effective solutions. Passion for developing teams with diverse skillsets into cohesive high functioning groups.

Technical expertise includes Military Specifications for DoD along with AGS glovebox design, ASME/AISC structural calculations including ASME BPVC Section VIII, ASME B31.3 and other equipment/piping system qualifications. Proficient with AWS D1.1 and D1.6 weld qualification, UBC, and ASCE 7 seismic analysis along with familiarity using multiple FEA programs including ANSYS and Abaqus. Experience in both DoD ISO-9001 / AS9100 along with DOE and NQA-1 Quality Level project support ranging from complex equipment qualification to subcontract technical representative and other government procurement activities.

EXPERIENCE

Testbed Design Engineering Group Lead

UT-Battelle / ORNL

Enrichment Science Engineering / Knoxville, TN / 2022 – Present

- Responsible for Leading Engineering efforts within the Testbed Design Engineering Group.
- Work closely with Senior Management to ensure cost, scope, and schedule metrics are within planning execution and help to facilitate changes in baseline schedule for resource loading and scope and progress updates.
- Additional tasks Technical Procurement Officer duties necessary to accelerate Supply Chain and Procurement activities.

Vice President of Engineering

American Metal Bearing Company

Engineering / Garden Grove, CA / 2020 – 2022


- Responsible for Leading Engineering at AMB in current production tasks for Line Shaft, Propulsion, Stern Tube and Strut bearings in all the US Naval Fleet Surface Ships and Submarines.
- Maintained cost, schedule, and quality metrics where profits increased in a Supply Chain crisis environment amplified by Covid-19 policy restrictions.
- Additional tasks include Sr. Structural Engineering using FEA Abaqus for Military Specified Dynamic Design and Analysis Methods on the world's leading Bearing designs that have never failed for their 40-year design life mandate.



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EXPERIENCE

Project Lead Engineer Teledyne Brown Engineering

Testing Demonstration Facility / Oak Ridge, TN. / 2018 – 2020

- Project Lead for technology testing and maturation to support the overall mission of the Y-12 National Security Complex.
- Cost and Schedule reporting to maintain aggressive schedules for proposals and contract modifications.
- High Aptitude for accounting, finance, and business development.
- Program support as needed for existing technologies to assist with testing, schedule, and reporting activities.
- Developing test plans and procedures in coordination with government partners within the Research & Development Group for DOE.
- Leading teams of engineers to develop designs, submittals, and procedures to meet the requirements of design/test objectives.

Glovebox and Microwave Casting Lead Bechtel National Inc.

Uranium Processing Facility / Oak Ridge, TN. / 2015 – 2018

- Sr. Engineer responsible for planning, scheduling and assignment tasks while providing guidance and support to ensure timely deliverable completion.
- Leading Glovebox team to incorporate lessons learned from other DOE projects and ensuring that all deliverables are coordinated within respective disciplines to effectively deliver future build to print packages.
- Sr. Engineer responsible for long lead procurement activities to support CD-3 for Glovebox design including: Gloveports & 230-ton Hydraulic C-Frame Presses.
- Establishing Basic and Blanket Ordering Agreements for Glovebox vendors to prepare for efficient future Task Orders to assist in expediting awards to pre-certified supplier(s) on glovebox build to print packages estimated at \$150M+.

Piping and Vessel Stress Analyst Bechtel National Inc.

Waste Treatment Plant / Richland, WA / 2010 – 2015

- Design of remotely removable piping structures, known as Jumpers, which facilitate processes for the vitrification of nuclear waste.
- Gained extensive experience in ANSYS using the APDL interface.
- Originated installed condition stress calculations on piping systems that are coupled with frame support structures.