

Hayden Bussard

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Results-driven mechanical engineer with hands-on experience in planning, designing, and delivering nuclear power plant systems and advanced technology solutions. Dedicated to maintaining high standards while promoting team participation for optimization of company goals. Recognized for positive mental attitude with demonstrated ability to communicate and interact effectively with senior management and associates.

Areas of Expertise

- ♦ Engineering Design
- ♦ Time Management
- ♦ New Business Development
- ♦ Customer/Vendor Relationships
- ♦ Project Management
- ♦ Technical Communication
- ♦ Collaboration
- ♦ Adaptability
- ♦ Requirements Analysis
- ♦ Budgeting & Forecasting
- ♦ Rapid Prototyping
- ♦ Industry Insight

Professional Experience

Westinghouse Electric Company, Pittsburgh, PA Mechanical Engineer

2019 – 11/2024

Conducted various reactor and nuclear fuel services across nine unique PWR power plants domestically and internationally. Developed new and upgraded equipment per customers' unique needs.

- ♦ Led critical issue management for 5 concurrent projects during customer outage, serving as the sole liaison between the customer and company, ensuring rapid issue resolution and project progression, ultimately facilitating timely plant restart.
- ♦ Managed teams of technicians under high-stress environments to error-free scope completion.
- ♦ Designed an irradiated waste consolidation system that improved storage limitations and extended reactor life expectancy by at least 1.5 years.
- ♦ Drove projects from concept to field application/installation on tight deadlines.
- ♦ Ensured personnel safety by planning and performing rigorous equipment testing prior to shipping equipment to site.

Key Projects

- ♦ Engineered a system to convert Cobalt 59 to Cobalt 60, addressing critical supply shortages in medical sterilization for pharmaceutical products and surgical supplies.
- ♦ Modified a training facility to incorporate the unique machines and tooling necessary to conduct training for Westinghouse's new AP1000 reactor units.

Education & Credentials

Bachelor of Science (BSc) Mechanical Engineering

University of Pittsburgh, Pittsburgh, PA

Patents

Mechanical System for Removal of Highly Radioactive Cobalt-60 Capsules from Metallic Rods

Patent Pending

Licenses & Certifications

Nuclear Engineering Certificate

University of Pittsburgh, Pittsburgh, PA

Technical Proficiencies

MS Office, SAP, Autodesk Inventor, SolidWorks, Python, SQL