

Lee Neuharth | Forensic Engineer, PE

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Professional Summary:

Mr. Neuharth has over 11 years of engineering experience. This includes three years of aerospace system test and evaluation and eight years of nuclear power plant overhaul and maintenance. Both aerospace and nuclear tracks of his career have given him experience as the subject matter expert for complex interconnected engineering systems: first with remotely piloted aircraft and later with naval nuclear propulsion systems. His specific areas of expertise include, but are not limited to:

- Root cause analysis
- Thermal and fluid systems analysis
- Pressurized water reactor integrated plant response
- Analysis of system response via automated data recording systems

Licenses and Certifications:

Professional Engineer, Arizona, License # 79585
Professional Engineer, Colorado, License # PE.0063043
Professional Engineer, Idaho, License # P-22543
Professional Engineer, Kansas, License # 30112
Professional Engineer, Nebraska, License # E-20177
Professional Engineer, New Mexico, License # 29167
Professional Engineer, Oklahoma, License # 34423
Professional Engineer, Texas, License # 150644
Professional Engineer, Utah, License # 13563650-2202
Professional Engineer, Washington, License # 20100235
Professional Engineer, Wyoming, License # 19909

Project Experience:

United States Air Force, Poway and Palmdale, CA System Software Upgrades for MQ-1 Remotely Piloted Aircraft

Authored and executed test plans for verification and validation of flight- and mission-critical software updates for the MQ-1 system. Analyzed log files and assessed safety to progress from each phase of test: laboratory and system integration to ground test to flight test. Wrote final test report to release software from developmental test to Air Force operational test.

United States Navy, Bremerton and Bangor, WA S6W Reactor Plant Refit, Overhaul, and Intermediate Maintenance

Wrote and directed procedures to safely deenergize electrical control panels and fluid systems in the reactor plant. Analyzed water chemistry trends for the boiler and reactor coolant systems and created courses of action to maintain specified limits over atypical, extended durations. Prepared temporary system documentation to allow for control of vital reactor plant systems during critical transitions such as into and out of dry dock.

Professional Experience:

EFI Global, Forensic Engineer, 2023 – Present
Puget Sound Naval Shipyard, Nuclear Engineer, 2015 – 2023
General Atomics Aeronautical Systems, System Test and Qualification Engineer, 2011 – 2014

Education:

Master of Science, Aerospace Engineering, University of Notre Dame, Notre Dame, IN, 2011
Bachelor of Science, Mechanical Engineering, University of Tulsa, Tulsa, OK, 2007

Publications and Presentations:

Neuharth, Lee. Presentation: "A New Sliding Discharge Actuator for Aerodynamic Flow Control." American Physical Society Division of Fluid Dynamics, 62nd Annual Meeting. November 2009.

Gordeyev, Stanislav; Neuharth, Lee; Thomas, Flint; and Wicks, Michael. "Further Experiments on Temporal Proper Orthogonal Decomposition (TPOD) for Closed-Loop Flow Control." 41st AIAA Fluid Dynamics Conference and Exhibit; AIAA paper 2011-3717. June 2011.