

Reed A. Pruitt

BS, SCWI

Senior Staff Consultant



Reed Pruitt is a Senior Staff Consultant with Engineering Systems Inc. (ESi), a full-service engineering, scientific, and technical consulting firm with 19 locations coast-to-coast. Mr. Pruitt holds a B.S. in Physics and is a Senior Certified Welding Inspector with certification through the American Welding Society. He has managed two different ISO 17025 accredited laboratories over the past 20 years. He has been responsible for and performed inspections and testing of materials for the aerospace, automotive, nuclear, and construction/building industries throughout his career.

Mr. Pruitt has over ten years of experience in commercial construction inspection and has performed weld inspections and inspections of bolted connections to provide quality assurance/quality control in the construction process. Mr. Pruitt has inspected and evaluated structures and building materials for the Department of Defense (DOD), Department of Energy (DOE), Department of State (DOS), and the general construction industry.

Mr. Pruitt has 19 years of experience in materials testing and evaluation, weld/braze analysis, and quality management experience. Mr. Pruitt has performed and evaluated mechanical and chemical testing for materials evaluation as well as failure analysis. In conjunction with mechanical testing, he has performed a wide variety of weld and welding analyses to assess weld quality, soundness, technique, compliance and application. Additionally, he has designed and consulted on special welding processes, their implementation, and subsequent execution and inspection processes.

Mr. Pruitt has over 16 years of experience in the management of multiple quality systems that met several international quality standards, including but not limited to ISO 17025, ISO 9001, AS9100, AASHTO R18, and NQA-1 & 10CFR50 Appendix B. He has written and employed quality manuals and system procedures protocols to ensure compliance with a myriad of standards while measuring performance and suitability of others to ensure a constant state of improvement.

Contact Information

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(678) 990-3280

ESi Atlanta

430 Technology Parkway

Peachtree Corners, GA 30092

Areas of Specialization

- Welding, Joining, and Fabrication
- Chemical Analysis (Optical Emission, X-ray Fluorescence)
- Application of Mechanical Testing
- Microhardness (Knoop & Vickers)
- Non-Destructive Testing (NDT): RT, UT, MT, PT
- Welding Inspection
- Construction Code Compliance
- Welding Procedure Suitability and Qualification / Welder Performance Qualification
- Heat Treatment & Stress Relief
- Construction Materials Testing
- Applied Mechanics and Special Testing
- Quality System Management and Audits (ISO, ASME)

Education

B.S., Physics, North Georgia College and State University, December 2005

Licenses & Certifications

- Senior Certified Welding Inspector (S.C.W.I.): 2023 - Present
 - Certified Welding Inspector (C.W.I.): 2007 – 2023
 - National Floor Safety Institute (NFSI) WACH Certified Walkway Auditor: 5/2024 - Present
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Positions Held

Engineering Systems Inc., Peachtree Corners, GA

- Senior Staff Consultant 2025 - Present
- Staff Consultant 2023-2025
- Lead Laboratory Technologist, 2018 – 2023
- Laboratory and Industrial Services, Laboratory Manager, 2011 – 2022

Metals and Materials Engineers, LLC., Suwanee, GA

- Laboratory Manager – 2007 – 2011
 - Laboratory Technologist – 2005 - 2007
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Continuing Education

- Courses in Welding Processes, Inspection, and Interpretation of Codes per ASME Section IX
Bureau of Veritas, 2007
 - Courses in Welding Processes, Inspection, and Interpretation of Codes
American Welding Society (AWS) 2007
American Welding Society (AWS) 2016
 - Course in Spectrometry
Leco, 2007
 - ISO Quality Management Systems
Metals & Materials Engineers, 2007 – 2011
Engineering Systems Inc., 2012 – 2021
 - ASTM Test Method Training
Metals & Materials Engineers, 2007, 2012 AWS CWI 9 –YR
Recertification Program, 2016
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Professional Affiliations/Honors

- American Welding Society (AWS)
 - American Society of Mechanical Engineers (ASME)
 - American Society for Testing and Materials (ASTM)
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