430 Technology Parkway NW
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REED A. PRUITT, B.S., S.C.W.I.
Staff Consultant

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Reed Pruitt is a 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 a Senior Certified Welding Inspector certification through the American Welding Society. He has managed two different ISO 17025 accredited laboratories over the past 17 years. He has been responsible for and performed inspection and testing of materials for the aerospace, automotive, nuclear, and construction/building industries over the past 18 years.

Mr. Pruitt has over eight years of experience in the commercial construction inspection where he 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 17 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 the purposes of materials evaluation and failure analysis. In conjunction with mechanical testing, he has performed weld and welding analyses to assess weld quality, soundness, technique and application. Additionally, he has designed and consulted on special welding processes, their implementation and subsequent inspection processes.

Mr. Pruitt has over 15 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 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.

Areas of Specialization

Welding and Joining Processes
Chemical Analysis (Optical Emission, X-ray Flourescence)
Application of Mechanical Testing
Microhardness (Knoop & Vickers)
Material Verification
Welding & Structural Steel Inspection
Welding Procedure Qualification/Welder Performance Qualification
Heat Treatment & Stress Relief
Mechanical Metallurgy

Construction Materials Testing
Test Protocol Consulting & Special Testing
Quality System Management and Audits

Education

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

Licenses/Certifications

Senior Certified Welding Inspection (S.C.W.I.) 2023 – Present
Certified Welding Inspector (C.W.I.) 2005-2023

Professional Affiliations/Honors

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

Positions Held

Engineering Systems Inc., Peachtree Corners, GA
- Lead Laboratory Technologist, 2018 – Present
- Laboratory Manager, 2011 – Present

Metals and Materials Engineers, LLC
- Laboratory Manager – 2007 – 2011
- Laboratory Technologist – 2005 - 2007

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