



**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 Fluorescence)  
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