

## ***Quality Assurance and Software Testing***

Digital Systems has extensive experience in finding and resolving software regulatory compliance and quality problems before they become showstoppers. Within this capability, our organizational expertise includes:

- **Integrated Management Systems:** Design and develop management systems to integrate quality assurance, risk management, and project management requirements into one management system.
- **QA Management and Independent Assessments:** Plan and conduct assessments for large, complex programs and projects in a highly regulated environment using unique assessment techniques that provide meaningful results with minimum time onsite.
- **Coaching and Mentoring:** Knowledge and leadership transfer to expedite the learning curve in the area of software assurance and testing for new personnel. Fill in key positions with experienced managers during the recruiting or knowledge transfer period
- **Software Quality Assurance:** Proficient with the principles and techniques of software life cycles, baselines, verification, validation, and software configuration management including appropriate software documentation.
- **Root Cause Analysis:** Conduct effective root cause analyses using several proven methods such as fault tree analysis taking into account behavioral and other contributing factors.
- **Codes, Standards, Regulations, and Directives:** Proficient in DOE Directives and Orders, 508 Compliance, 21 CFR Compliance, Accounting Regulations, FAS 133, SOX Compliance, NRC regulations, EPA regulations, and industry codes and standards.
- **Experienced and Certified Staff:** Professional Engineers, Certified Quality Engineers, Certified Quality Managers, Certified Quality Auditors, and Verification and Validation Engineers.