ITW, Inc. *InfoTech West, Inc.*

Professional Software and IT/OT Consulting. Engineering Services through our partner, d2b, Inc. a Registered Washington State Engineering Corporation.

Did you know?

ITW has DOE-complex peer-selected experts on staff that consulted and wrote sections of the Department of Energy Guide for its DOE Order related to Safety Software, DOE O 414.1C.

The guide, DOE G 414.1-4, Safety Software Guide, provides DOE complex-wide guidance for SQA activities, including practical implementation techniques and approach to SQA for Safety Software.

Why ITW?

ITW has consulted with many respected companies involved in both the Government and Commercial project realms.

Our clientele includes several Fortune® 500 companies such as CH2MHill, AECOM (Washington River Protection Solutions-WRPS and Washington Closure Hanford-WCH), Lockheed-Martin, Fluor, and many other well-known and trusted corporations.

Our team is unmatched for quality of software quality assurance (SQA), IT, OT and engineering consulting and implementation strategies.

Our Focus: ITW, Inc. is a professional software and IT/OT consulting services firm with over **23 years** of experience specifically related to all aspects of software quality assurance. The applications range from business use, to scientific and engineering systems, covering business class, quality affecting and safety-related systems, projects and programs.

Services and Work Products: ITW can also assist in assessing and implementing programmatic improvements so that your SQA program meets government and industry standards, while utilizing a graded approach.   ITW has proven expertise in the interpretation and implementation of ASME NQA-1, I.E.E.E. and DOE O 414.1C/414.1D at all program levels. Typically, a starting point would involve an existing program's gap analysis with follow-on program implementation recommendations including; necessary standards, work processes and procedures, and the resultant training of project and Software Quality Assurance staff to the retro-fitted program. ITW can also perform at a project level within established programmatic requirements. For instance, specific software application project consulting and performance on any and all phases of the software lifecycle; from concept to requirements, design to implementation, testing, training, maintenance, and retirement. This includes all software lifecycle documentation, verification and validation plans, configuration management, and establishment of change control systems including vaulting of code and change control boards for local governance and oversight.

ITW staff has also provided its clients audit and surveillance support, including presentation support, for over one hundred individual software applications and systems during forty-plus unique surveillances. This support has covered the surveillance spectrum; from internal company SQA/QA review teams to local DOE and DOE-HQ teams, to presentations to the Defense Nuclear Safety Board and the Chief of Nuclear Safety.

ITW, Inc. client products;

➢ Program gap analysis and implementation of standards, polices and procedures, via a graded approach, to meet DOE orders and other applicable standards, like ASME NQA-1, and the local QA program.
➢ Information Technology (IT) and Operations Technology (OT) SQA documentation, such as Software Quality Assurance Plans, Software Configuration Management Plans, and Software Verification and Validation (V&V) Plans.
➢ Project Level software & system documentation writing services for all software lifecycle phase products, for example requirements & design documents, test procedures, Requirements Traceability Matrices (RTM) and cross-walks, etc.
➢ Phased verification and validation (v&v) products including documentation reviews, full test plans, test procedures, test cases, test performance & test report generation.
➢ Audit and surveillance preparation support including analysis, preparation and presentation, as required.
➢ Test performance and training personnel to supplement a company's staff in this area.
➢ Registered Professional Engineering (P.E.) personnel on staff, including Control Systems expertise for PLC/HMI and DCS systems.
➢ Value Engineering studies, Focus Group Requirements Sessions, Studies, Analysis and Reports, and many other types of engineering analysis, studies and reports including Failure Modes and Effects Analysis (FMEA) and Alternatives Analysis using quantitative and qualitative methods.
➢ Training services related to any of our work products or SQA topics; both at-site and remote via the Internet.

Process: is what sets us apart. We practice a Precision Approach to every task we perform, large or small, referred to as the proprietary ITW "FAST-Trak™" methodology. This process assists in the analysis of all lifecycle phases, and zeros in on exactly the tasks that need to take place to make the overall program, project or systems' QA process a success!

Let our team put their expertise to work with your team!
Contact us at (509) 460-2079   OR   d2b@charter.net