



## Quality Assessment Capability

Management of software has become a pandemic IT issue in today's environment. The ability to assess, acquire, and manage developed software is critical to enterprise success in all areas of the value chain. Key to this is the ability to accurately and effectively assess software development throughout its lifecycle to provide actionable information in a timely manner.

QAC is the next generation of software quality management that brings the valuable attributes of code level analysis to the higher business management level where key acquisition and support decisions need to be made.

**QAC**  
simplifying software **Quality**



### QAC SUPPORT SOLUTIONS

- SOFTWARE MEASUREMENT & SIZING
- PRE-DEVELOPMENT CODE ASSESSMENT
- DEVELOPED SOFTWARE QUALITY INDEXING
- DEVELOPED SOFTWARE TREND ANALYSIS
- ARCHIVED SOFTWARE CATALOGING
- LIFECYCLE SUPPORT MANAGEMENT
- SOFTWARE REQUIREMENTS REVIEW
- PORTFOLIO SOFTWARE MANAGEMENT
- RE-USE CODE ANALYSIS
- COST, SCHEDULE, & PERFORMANCE

# Technology at work for you

QAC technology is the application of advanced processes and tools developed by OPS Consulting professionals and proven on some of our nation's largest software development programs. This unique approach to analyzing all aspects of software quality empowers decision makers with the technical metrics critical for better management of the development and acquisition of software systems.

## TECHNOLOGY CONSULTING PROVIDES A TOTAL END TO END SOLUTION

From initial program inception, to the final delivery, installation, and operation, QAC provides a complete management solution for software development programs. OPS Consulting professionals, with years of experience in software development programs, partner with our clients to provide a holistic assessment of their software needs and current software portfolio.

### CRITICAL SOFTWARE MEASURES

Using advanced analytic tools and research, QAC delivers a complete picture of key metrics of developed and developing software for reporting on attributes and quality standards compliance to include:

- File Structure & Form
- Code Size & Measure
- Functional Metrics
- Object-Oriented Metrics
- Reengineering Considerations

### SIMPLIFIED MANAGEMENT SOLUTIONS

QAC removes the burden of navigating complex developed software analysis and provides business managers with more familiar measures to make financial and operational decisions with:

- Lifecycle Cost Estimation
- Total Cost of Ownership (TCO)
- Return on Investment (ROI)
- Analysis of Alternatives (AoA)
- Cost Benefit Analysis
- Business Case Analysis

### FORECASTING & TREND ANALYSIS

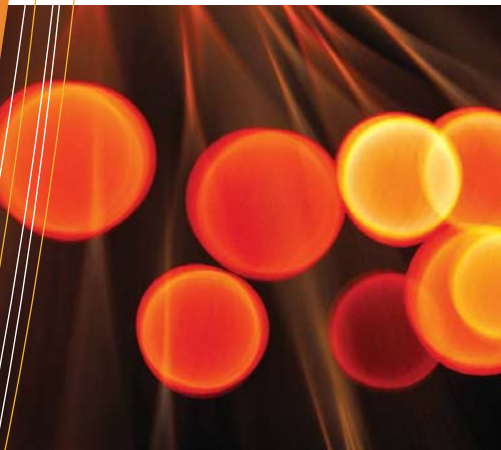
Additionally, QAC evaluates critical trends in software as it is being developed or during delivery of operational systems to ensure quality of the product and supportability of the software over its lifecycle.

- Maintainability Evaluation
- "Six Sigma" Quality Evaluation
- Duplicate Algorithm Reconciliation

### MEASURABLE ENTERPRISE BENEFITS

By better understanding how and where software development impacts the operations of your enterprise, managers are better equipped to take action earlier for measurable benefits in the long run.

- Shorter Development Phase
- Fewer Defects
- Increased Security
- Greater Usability
- Lower Total Cost of Ownership



# flexible solutions for your mission needs

## QAC AND MISSION

QAC stands as a critical capability in providing both operational and managerial leaders with timely and detailed information about their software development. Mission success requires all stakeholders' involvement, and QAC bridges the information gap between software engineering and mission management.

### SOFTWARE ENGINEERING IMPACT

- QUALITY REQUIREMENT DEFINITION
- REUSE VALIDATION
- CODE LEVEL QUALITY ANALYSIS
- DEVELOPMENT TREND ANALYSIS
- PROGRAM LEVEL METRICS
- PINPOINT DEFECT IDENTIFICATION
- REDUCED REWORK & RECODING

### MISSION MANAGEMENT IMPACT

- ACCURATE REQUIREMENT ANALYSIS
- SOFTWARE MEASUREMENT & SIZING
- ACCURATE COST ESTIMATION
- GREATER FIDELITY IN RISK ANALYSIS
- INCREASE IN COST SAVINGS
- REDUCED ANALYSIS TIME & COST
- QUALITY TRACKING & CORRECTION

## CONNECTING YOUR BUSINESS TO THE TECHNOLOGY RESOURCES YOU NEED

## QAC QUALIFICATIONS

QAC has been successfully implemented in various forms on several large government and commercial programs. OPS Consulting has teams of professionals actively providing support to various partners in the Defense and Intelligence industry, and the long history of the firm has seen QAC engaged with industry leading commercial clients:



## CUSTOM CONFIGURATION

QAC is a dynamic, scalable, and customizable approach to measuring, estimating, and analyzing complex software programs. Its value stems from its ability to be configured to meet the varying needs of each application. QAC is fundamentally configured and tailored to each program.



## AUTOMATED SOLUTIONS

QAC employs a myriad of unique and proprietary software programs that support fast and accurate analysis and measurement of software in almost any form. This allows for efficient and timely reporting. QAC's approach allows OPS Consulting to quickly analyze very large software applications.



## SIMPLIFIED ANALYSIS

QAC's focused approach of providing a simplified analysis of complex software development is shown through easy to operate reporting tools. QAC analysis is presented in formats that are simple to understand and easily integrated with other applications.