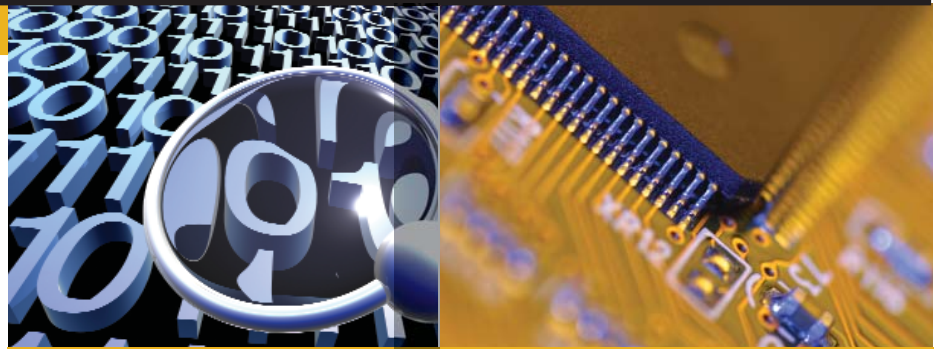


# VERIFICATION & VALIDATION



## FROM CONCEPT TO PRODUCT

OUR TOOLS – Computer Aided Testing is an absolute requirement for medium and large scale software development projects. Blue Sages has the skills to automated your verification and validation activities without draining your bank account. We accomplish this by using a combination of commercial and open source tools combined with custom electronic and systems to ensure the product is built right and the right product is built.

- **FULL SERVICE TESTING SERVICES**
  - Test Planning • Requirements Creation and Review • Design of Tests • Review of Designs • Implementation • Review of Implementation • Software Defect • Identification and Documentation • Regression Strategies • Reporting/Metrics of Execution • Tracking and Calibrations
- **CUSTOM TAILORED TEST ENVIRONMENTS TO MEET ORGANIZATIONAL GOALS**
- **QUALITY SYSTEM CREATION OR IMPROVEMENT FOR VALIDATION**
- **SUPPORT TOOLS**
  - COMMERCIAL TOOLS: DOORS, Requisite Pro, Silk Test, Load Runner, Quick Test Pro
  - OPEN SOURCE TOOLS: OSRMT Open Source Requirements Management Tool
  - PROGRAMMING LANGUAGES: National Instruments LabVIEW
    - Java • C • C++ • C# • VB • Microsoft .NET • Perl • Technologies WCF and WPF • Python • PHP • TCI/Tk

*Realizing great ideas is a gratifying experience. More so when your project is ahead of schedule and under budget.*

*Blue Sages approach to verification and validation not only gives you formal proof of correctness, Blue Sages does this for less than you would expect to pay using conventional methods. All of this and we save your capital dollars as well.*



# VERIFICATION & VALIDATION

- **OUR STAFF HAS EXTENSIVE FDA EXPERIENCE.** Our seasoned team members bring years of experience working in heavily regulated FDA environments. They understand the Quality System Requirements (QSR), 21 CFR Part 820 Medical Devices, as well as Current Good Manufacturing Practices (cGMP).
- **WE WORK EFFICIENTLY IN A VARIETY OF DEVELOPMENT ENVIRONMENTS.** Our years of intensive involvement with Microsoft, Linux, Unix, and embedded environments give us the practical testing capabilities you need to succeed.
- **WE USE AUTOMATION TO INCREASE PRODUCTIVITY AND EFFICIENCY.** With our automated test tools, we can reduce the testing timeline significantly. We provide full regression testing, enabling you to speed up your time to market.
- **WHETHER YOUR COMPANY HAS ADOPTED TQM, SIX SIGMA, LEAN DESIGN FOR SIX SIGMA, OR ANOTHER METHODOLOGY,** Blue Sages delivers outstanding results.
- **TEST PLAN DEVELOPMENT AND EXECUTION** using open source as well as industry accepted automated tools and manual solutions.
- **TEST CASE CREATION** that's compliant with customer and regulatory requirements.

## Areas Supported:

- Embedded Systems
- Instrument Systems
- Automated Manufacturing Verification System Creation
- Product Design Validation Systems
- Manufacturing Validation Systems

