ANTAVEN

Advanced solutions, Advance your business

Benefits of Outsourced
Software QA &
Validation Services

- **Outsourcing Companies**
  provide skilled team of testers
  (Allocation of resources is being questioned)

- **Reduce Expenses with**
  Resources
  (Only 5% of organizations are facing increase in the QA budget)

- **Better Software**
  Quality
  (Poor historic performance: 67% of new IT projects are not successful.

- **Faster Time**
  to market
  Only 16% of Software projects are completed on time and on budget.

Antaven´s
Software QA
Validation Practice

- **Experience in the Market**

  *Comprehensive Service Portfolio
  *Five years in the Market
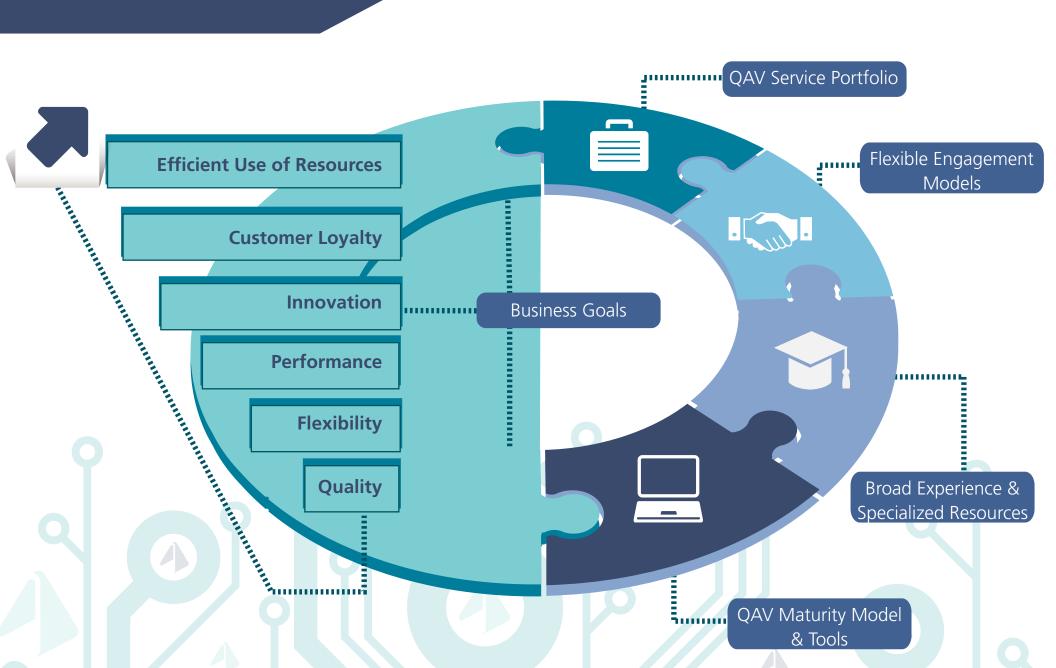 *Applications tested in several domain contexts

- **Our Team of Experts**

  *Higly Skilled Associates
  *Exposure to wide testing toolset
  *Testing Engineers with diversified domain backgrounds
  *Knowledge and Practice of TPI and TMM Standars

- **Our Clients**

  *Specialized on Small to Medium companies
  *+15 Customers
  *Several industries: Finance, Retail, Insurance, Agriculture, Service, Consumer goods

- **Our Quality Assurance Model**

  *Maturity Model
  *Methodologies
  *Frameworks
  *Governance Model

- **Our Delivery Models**

  *Staff Augumentation   *TaaS
  *Project Driven   *TCoE
  *Managed Team
  *Managed Services

Antaven´s
Approach

Efficient Use of Resources

Customer Loyalty

Innovation

Performance

Flexibility

Quality

Business Goals

QAV Service Portfolio

Flexible Engagement Models

Broad Experience & Specialized Resources

QAV Maturity Model & Tools

Software QA & Validation Services
Portfolio

• Full Lifecycle Testing

1) Requirements Testing

2) Design

2.1) Prototype Testing

2.2) Usability Testing

3) Development (Functional, Non-Functional, Regression, Structural)

3.1) Unit/Component Testing

3.2) Integration Testing

3.3) System Testing

3.4) Intermediate Acceptance

3.5) Documentation Testing

4) Delivery/Release

4.1) Acceptance Testing

4.2) Upgrade/Migration Testing

4.3) Maintenance Testing

5) Production

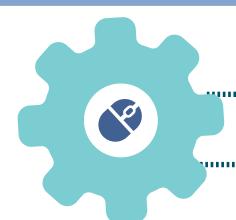4.1) Root Cause Analysis of Issues

4.2) Reproducing Issues

• Optimization & Specialized Testing

1) Performance Testing

2) Compliance Testing

3) Security Testing

4) Web Application Testing

5) Mobility Testing

6) Agile Testing

7) Testing as a Service (TaaS)

Software QA & Validation Services
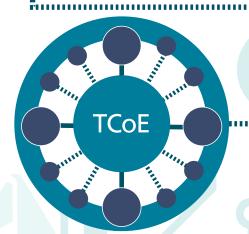## Portfolio

- **Test Automation**
  1) Regression Testing / Re-Testing
  2) Test Management
  3) Defect Management

- **Test Organization Assessment**
  1) Current Test Practice Assessment
  2) Process Definition & Implementation
  3) Requirements Verification

TCoE

- **Enterprise Testing COE (Testing Center of Excellence)**

Antaven´s
Maturity
Models

$Initial
- Bug Reporting
- Intuitive Test Strategy
- Intuitive Test Execution

$ Defined
- Planned Test Strategy
- Formal Reviews
- Integration and System Testing
- Historic Estimation and Planning
- Product Metrics

$ Designed
- User Acceptance Testing
- Test Strategy Techniques
- Test Design Techniques
- Estimation & Planning Techniques
- Process & Organizational Metrics
- Inspections
- Automated Test Environment
- Semi-Automated CM

$ Managed
- Metrics Analysis
- Test Dashboards
- Test Management
- Automated Testing
- Root Cause Analysis
- Automated Configuration Management
- Risk and Issue Management

$ Optimized
- Process Improvement
- Defect Prevention
- Automated Testing Process
- Security Process Improvements

Engagement Models for our Service

Staff Augmentation

- Client is responsible of controling his own testing
- Vendor provides skilled testing engineers to deliver the plan.

Delivery Model: **Staff Augmentation**

Pricing Model: **Times & Material.**

Project Based Agreement

- Deliverables and productivity are responsibility of Antaven
.

Delivery Model: **Project Based Agreement**

Pricing Model: **Fix Price**

Managed Team

- Long Term Partnership
- Customer hands over testing responsibility to Antaven
- Client Management requirement and priorities.

Delivery Model: **Core and Var Team**

Pricing Model: **Blended Rate**

Testing as a Service

- Service based on SLAs
- Services are fully managed by Antaven
- Centralized QA and testing structure
- Multiyear contract

Delivery Model: **Testing Center of Excellence**

Pricing Model: **Unit Based (on demand)**

Managed Services

- Service Level Based
- Services are managed by Antaven.
- Client assigns a QA Committee.
- Multiyear contract with services bands. (increase or decrease)

Delivery Model: **QA Testing Center**

Pricing Model: **Predictible Bandwidth**

Antaven Testing

Test Planning
*Test Strategy
*Test Objectives
*Test Approach

Test Analysis & Design
*Analyze Functional Requirements
*Design Test Matrix
* Design Test Center
*Automation Decisions

Test Implementation
*Test Environment
*Test Tools
* Test Architecture
*Develop Test Script
*Develop Test Cases
*Test Data

Test Execution & Reporting
*ExecuteTest Cases
*Execute Test Scripts
*Test Reports & Test Metrics

Test Completion
*Project Acceptance
*Deliver Testware
*Postmortem Meetings
*Formalize Project Termination

Knowledge Management

Defect Management

Project Management

Quality Assurance

Configuration & Change Management

Antaven´s
Toolset

HP-Mercury

Quality Center (QC)
Application Lifecycle Management (ALM)
Unified Test Professional (UFT/QTP)
Load Runner (LR)
Business Process Testing (BPT)
Performance Center (PC)

Open Source

Bugzilla
Open STA
Selenium
Testopia
Watir
FitNesse
JUnit

Decompilers
Port
Scanners
Proxy
Sniffers
Vulnerability
JMeter

IBM-Rational

Test Manager
Test Robot
Performance Tester

Borland

Silk Test
Silk Performer

Compuware

QA Director
QA Run
QA Load

Archer / Radview

RSA Archer
eGRC
WebLOAD

Qualys

Qualys VM
Qualys PC / PCI

Automated QA

Test Complete, Rational, Antaven Automation Tools
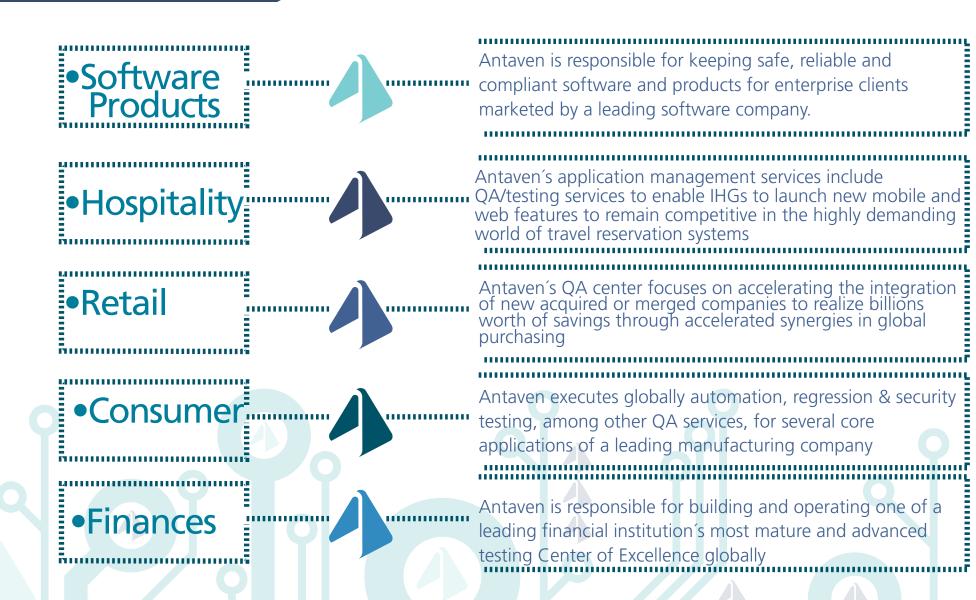
Microsoft

Visual Studio   Secure DLC

Service Compliance
and Audit Mechanisms

- SLAs

- DASHBOARDS

- REPORTS

- METRICS

12%
45%
58%
89%
95%

100%
75%
50%
25%
0%

2004 2005 2006 2007 2008 2009 2010 2011

- **Software Products**

  Antaven is responsible for keeping safe, reliable and compliant software and products for enterprise clients marketed by a leading software company.

- **Hospitality**

  Antaven´s application management services include QA/testing services to enable IHGs to launch new mobile and web features to remain competitive in the highly demanding world of travel reservation systems

- **Retail**

  Antaven´s QA center focuses on accelerating the integration of new acquired or merged companies to realize billions worth of savings through accelerated synergies in global purchasing

- **Consumer**

  Antaven executes globally automation, regression & security testing, among other QA services, for several core applications of a leading manufacturing company

- **Finances**

  Antaven is responsible for building and operating one of a leading financial institution´s most mature and advanced testing Center of Excellence globally

General Benefits
of Investing in Software QA & Validation

QAV

- Increase Speed - to - Market
- Accelerate Development Life Cycle
- Enable Better Business Decisions
- Efficient Defect Prevention & Removal
- Reduce Business Risks

Some Achieved Benefits of Our Customers

30% reduction in testing execution time thru improved KT, automation and revamped QAV framework.

35% cost reduction through the Near Shore model through increased nearshore leverage and lower indirect costs

50% reduction in ramp up time for the QA Team

50% increase in test coverage after implementing Antaven's Automation Testing Framework

50% reduction in design time through implementation of a reusable test assets library.

Why Antaven for Your Software QA & Validation Requirements ?

Quality Culture

- QAV Maturity Model
- Six Sigma Culture
- Process Improvement & Optimization Focus
- Metrics - driven

Talent

- Specialized QAV Experts
- Analytic and Results-driven
- Business oriented and diversified domain knowedge
- Continuous Training in testing methodology and technologies
- Cultural affinity with the US

NearShore Model

- Optimized resource & infrastructure costs
- Reduced overhead
- Similar time zone, work schedule and calendar
- Real-time interaction
- Enhanced communication

ANTAVEN

Advanced solutions, Advance your business

Jesus Sanchez

QAV Services
Jesus.sanchez@antaven.com
(515) 779-3658