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CORPORATE BROCHURE

ASTEGLIC QA SERVICES

Testing Solutions That Deliver Predictable
Quality, Greater Agility, Higher Cost Savings,
and Speed to Market.

www.astegic.com

QA solutions for businesses & enterprises to deliver predictable quality software, cost savings, and speed to market.

Astegic QA Services

Astegic is a pure-play Software Testing and Quality Assurance (QA) company. Astegic has a dedicated Testing Center of Excellence (TCoE), specialized in providing solutions across Mobile, Cloud, API Testing and Data analysis.

Astegic engages with your business to help you achieve your goals by servicing your QA needs from start to finish. We work toward maximizing your ROI from your QA initiative with our streamlined processes, requirement analysis, engagement and delivery frameworks, and QA automation tools & accelerators built around a selection of QA Automation technologies.

We help organizations make a successful transition from Manual testing processes to QA Automation. We hand-hold companies through this journey, assisting them through our quick on-boarding process, jumpstarter QA toolkits comprising of Requirement Analysis Frameworks, QA Automation Accelerators, and Model-based Testing using proprietary, open source and third party tools.

Our hands-on approach with developers ensures that we become familiar with our client's software from the initial stages of testing which allows us to observe and deal with the issues instantly, as well as address them appropriately throughout the SDLC.

Astegic leverages its onshore/offshore model to offer its clients near 24/7 operations. Our offshore delivery center ensures our clients round the clock access to our services, enabling them to meet the release schedule deadlines prior to their competitors avoiding any negative impact on software quality that may occur due to the lack of thorough testing on software products and applications.

By combining manual functional testing with world-class automation capabilities, Astegic is proud to provide our diverse clientele with mobile, cloud based applications and test data management solutions.

Astegic's QA Automation portfolio offers unique value through:

- Model based testing
- Automation across architecture layers
- Early automation
- End-to-end automation
- Life cycle automation
- Mobile app automation
- Automation using device farms
- Automation of Legacy Windows based Systems and their integration of their Web Counterparts

A-Cube: Astegic Automation Accelerators

A-Cube, Astegic's Testing toolkit, offers enhanced productivity to clients by accelerating selection, deployment and test automation execution throughout the STLC – right from the requirement analysis phase, through to automation and delivery.

A-Cube comprises of Requirement Analysis frameworks (TRAF), QA Automation accelerators for web (CRAFT) and mobile (MTAA), Pro-Agile delivery frameworks (KDEFT) and Model-based testing methodologies using proprietary, open source and third party tools.

CRAFT: Client-Ready Automation Framework for Testing

To enable its clients in rapid selection and deployment of QA automation for functional and regression testing, Astegic has developed a comprehensive QA Automation acceleration framework.

CRAFT (Client-Ready Automation Framework for Testing) enables companies to cut test efforts significantly by enhancing the performance of their test automation tools.

[Learn More >](#)

TRAF: Test Requirement-Analysis Framework

To enable businesses to speed up their testing requirement analysis time, Astegic has developed a comprehensive requirement-analysis framework-TRAF (Test Requirement-Analysis Framework). TRAF assists in rapid QA/Testing project set-ups, in turn speeding up the software's release cycles, and ultimately helping businesses achieve the speed to market.

[Learn More >](#)

MTAA: Mobile Test Automation Accelerator

To help its clients overcome the challenges associated with mobile application testing, and to turn them into new business opportunities and additional revenue streams, Astegic has developed a mobile test automation acceleration framework.

MTAA (Mobile Test Automation Accelerator) provides speeds up test the automation by streamlining QA efforts and simplifying the mobile automation process.

[Learn More >](#)

KDEFT: Kanban Driven Engagement Framework For Testing

KDEFT (Kanban-Driven Engagement Framework for Testing) addresses critical client concerns of speed, agility and communication throughout the SDLC and across time zones.

[Learn More >](#)



“ Digital is disrupting ordinary business and posing new QA challenges. We help businesses turn these challenges into new opportunities. ”

Modern business is all about speed and agility - delivering accurate solutions fast, the first time, and consistently. Business organizations strive to achieve more with less, while making no compromises on quality standards. The key to success lies in delivering greater business value and improved quality while deploying fewer technical and functional resources.

Astegic's Digital QA Factory

The shift to Digital is driving the need for greater focus on QA and Testing owing to greater complexity of applications. For businesses, the need to respond to rapid changes is driven by a two-fold impact. On the one hand, there is a need to transform from ordinary businesses and IT operations to digital practices, and on the other, there are pressures to limit time and cost of application upgrade. To stay ahead of competition, businesses must harness the power of new technology forces of cloud, social, mobile, big data & analytics, and automation technologies -- individually as well as synergistically -- to enable true digital transformation.

Astegic's Digital QA factory practice equips companies with appropriate QA tools, processes, frameworks and engagement models to enable them to get closer to their customers. We empower our clients' development and QA teams, and transform their internal business processes by aligning and integrating with their teams seamlessly. Our end goal is to delight our clients by enabling them to deliver a delightful customer experience to their users.

QA Advisory & Transformation

Astegic brings years of QA experience to assist companies towards the best QA strategies for their QA needs. We quickly onboard a team of QA professionals, identify and develop the right QA & Testing frameworks, and execute a successful QA transformation strategy.

Our QA Advisory & Transformation service is a focused QA process improvement offering that comprises of Test Process Improvement Assessments, and roadmap building for future-ready applications. The process starts with providing an independent and objective assessment of the client's testing maturity, and suggesting improvements, implementing the best-practices by and benchmarked against best-in-breed quality standards. We deploy the right tools and frameworks to achieve a higher test maturity, leading to streamlined QA processes and efficiencies.

Astegic's QA Advisory & Transformation services include:

- QA Maturity Assessment
- Agile & DevOps QA Advisory
- QA Benchmarking
- QA Automation Assessment
- Dedicated TCoE Set-ups

Mobility remains at the helm of digital transformation; with mobile increasingly becoming the predominant delivery form factor for computing for both personal as well as enterprise use cases. How robust are your apps?

Mobile App Testing

Mobile application demand and use is growing exponentially. This provides immense business opportunities for organizations. To capitalize on this growth, organizations are rapidly developing mobile applications for their enterprises and their customers.

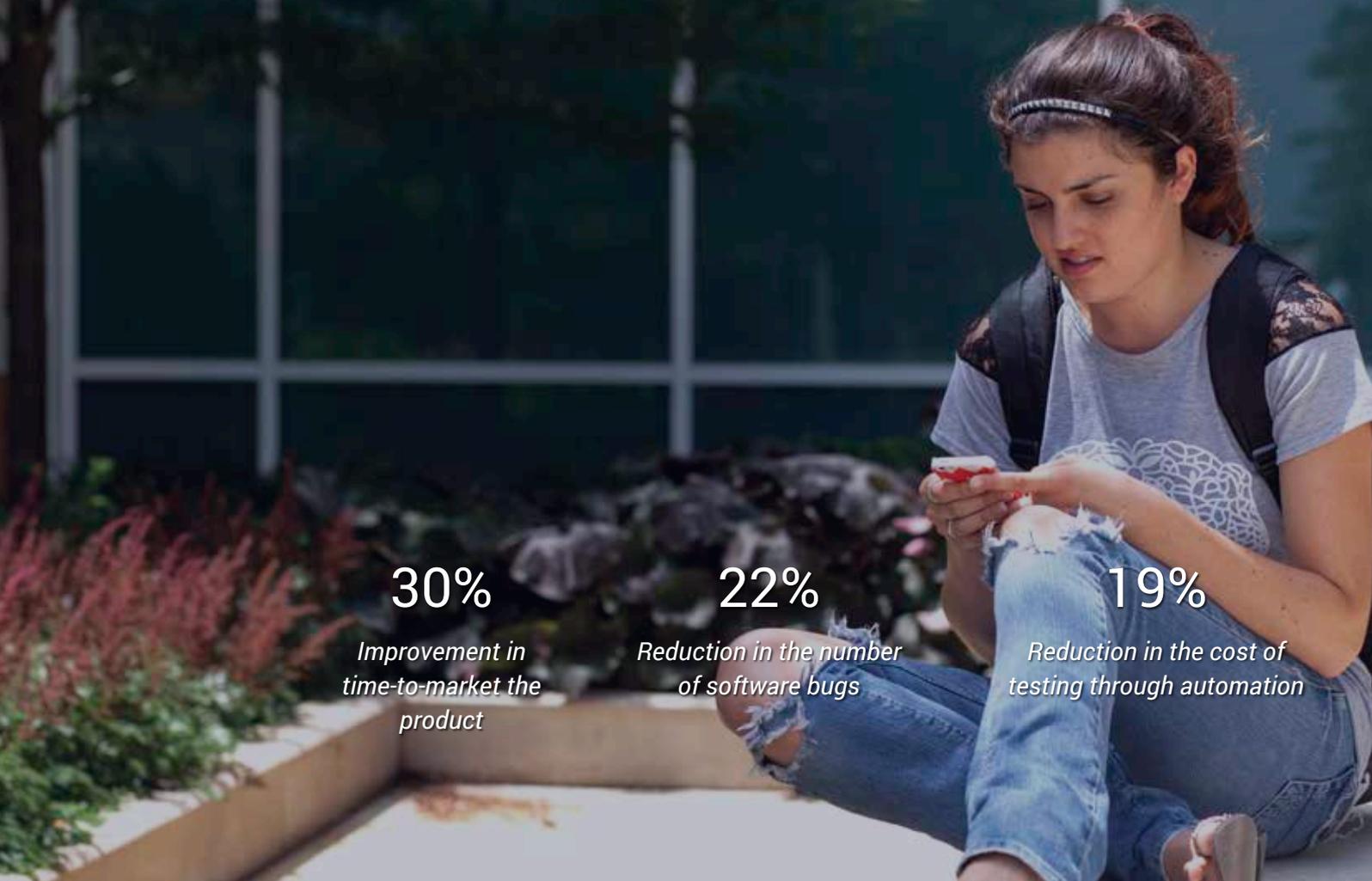
With the variety of mobile devices in the market today, coupled with the mix of multiple screen sizes and resolution levels along with different GUI and processing abilities; it is a challenging task to develop robust and customer-friendly mobile applications. In addition, geographically distributed user bases, fluctuating bandwidths, and variable network loads and types, expand the complexity of mobile app development.

Astegic's Mobile Testing services ensure that applications run impeccably on different mobile devices and are devoid of any functional errors. Our solutions provide seamless mobile application functionality on multiple devices with different screen sizes, operating systems, internal hardware and carriers.

We offer a comprehensive suite of mobile testing services that aim to achieve maximum testing coverage within minimum timeframes. We have a proven track record in effective mobile application testing, and have delivered quality work for our valued customers around the world.

Our extensive team of test engineers and analysts offer expertise in testing browser, native and hybrid mobile applications across different platforms like iOS, Android and Windows. Our business-driven approach to mobile app testing covers all aspects of mobile app development--from application conceptualization to app certification, with a strong focus on user experience and customer satisfaction. Our TCoE provides skilled resources, processes, tools and infrastructure--enabling our customers to rollout secure and engaging apps.





30%

Improvement in time-to-market the product

22%

Reduction in the number of software bugs

19%

Reduction in the cost of testing through automation

Client success story: How Astegic delivered superior customer satisfaction, faster turn-around time, and higher cost savings for DubLabs.

Business Requirement

DubLabs was developing a Campus Access product for more than 200 schools and frequently making changes in their build. However, they wanted newly incorporated functionality to be quickly tested and market-ready. DubLabs wanted to test their web application in quick time using functional automation tools.

Challenge Faced

Automating testing and rolling out frequent additions/changes to core functional business workflows of the web portal is demanding. DubLabs wanted to test and validate that the changes consistently meet business needs. The portal had multiple user roles (Admin/Partner/Client), and further,

Our Solution

DubLabs worked with Astegic as their independent testing provider, test consultant and trusted partner, for all its testing services – manual as well as automated. Astegic provided on-time delivery, strictly adhering to the agreed-upon service level agreement. Our certified team helped DubLabs improve its products and customize them for clients. Astegic's top-notch customer service and technical know-how have been major contributors to DubLabs' success.

Benefits Delivered

DubLabs benefited from accelerated time to market by automating the web portal testing process, and minimizing production deployment delays – delivering a 30% improvement in time-to-market the product. In addition, they achieved 22% reduction in the number of bugs and 19% reduction in the cost of testing through test automation.

Cloud Testing

When organizations operate a cloud infrastructure and associated applications, they significantly reduce capital and operating expenditures. The cloud provides an agile and elastic platform to develop, test, deploy, and maintain applications in a cost-effective manner. And as with many technical opportunities, while there are many advantages, there are associated challenges too.

Organizations can find it difficult to verify application Key Performance Indicators (KPIs) like performance, security and scalability in a distributed cloud environment. Some of the key issues that enterprises are trying to address are:

- Onboarding applications to the Cloud
- Data Integrity, Security and Compliance
- Privacy
- Interoperability
- Meeting enterprise-grade Service Level Agreements (SLAs)

Astegic's Cloud Testing services provide a customer-centric focus with a single point of accountability, clear SLAs, and innovative engagement models.

Our testing services evaluate functionality, performance and security for cloud-based applications, services and infrastructure.

We test all the layers involved – network connection, server performance, and database and software applications.

Our Cloud Testing services include testing to safeguard the availability and reliability of mission-critical business processes, data; as well as testing non-functional areas such as performance testing, load testing, overload control, and performance acceleration during all the stages of migration.

Our Cloud testing services include:

- Functional Testing
- Availability Testing
- Scalability, Load and Performance Testing
- Security Testing
- Disaster Recovery Testing
- Interoperability Testing
- Multi-tenancy Testing
- Integration Testing
- Data Migration Testing



52%
*Quality
improvements*

26%
*Faster time to
market*

40%
*Savings in QA cost
through Automation*

Client success story: How CircleBack and Astegic Partnership Yielded Faster & More Efficient Testing, Higher Savings and Superior Quality.

Business Requirement

CircleBack -- a pioneer in real time contact management, especially for address book apps and contact data for professionals and businesses -- was looking to test various aspects of its mobile apps for iOS and Android. The applications were built on a number of frameworks -- each having its own unique challenge. CircleBack wanted a testing partner to test the mobile app throughout its development lifecycle -- from the alpha release through to the product's market launch.

Challenge Faced

CircleBack's key challenges included migrating DAAS (Data Analysis Architecture System) APIs over B2B architecture in a phased manner; the B2B app (Contact Cloud) being one of the first to be migrated. Establishing an overall test strategy to evaluate tools & execute tests was also critical. Building a super high hybrid framework to control all test scripts logically while ensuring, at all times, that the code is well written, methods are defined and proper nomenclature is followed, required special focus and attention. CircleBack also wanted the QA teams to implement Functional & Regression model by mimicking the current test approaches.

Our Solution

SOAP UI free version was used in such a way that it incorporated all premium version features. This approach enabled us to perform all the tests by writing the code only once, saving significant time and money for CircleBack. Support of continuous integration using Jenkins allowed parallel and distributed execution, making it easy for the client to run test scripts with a single click. Astegic also ensured that CircleBack has complete transparency in the project governance and delivery, with test execution reports provided in multiple formats (Excel & HTML).

Benefits Delivered

Astegic's detailed test execution reports provided improvement strategies for CircleBack's development team.

By exceeding application quality through its rigorous testing coverage, Astegic's QA team helped CircleBack improve its product offerings and increase the overall customer satisfaction, significantly.

Astegic's technical expertise and consultative approach continue to be the major contributors to CircleBack's success.

API Testing

Our Application Programming Interface (API) testing focuses specifically on the proficiency, reliability, functionality, and usability of our client's software. API testing is designed to make sure that our client's software runs in an increasingly seamless and efficient manner. We plan our tests by taking into consideration the software's environment, infrastructure, and dependencies.

Astegic's API testing ensures that the APIs and the software they're attempting to connect must work in the most optimal manner. This form of testing concentrates on the source from where the data is being retrieved and then stored, the logical aspect of the software, and if the software is properly communicating with its users, all under varying conditions.

Our API testing services include:

- Automation Testing
- Security Testing
- Data Validation and Verification
- Performance and Load Testing

Leveraging TCoEs

Astegic has a dedicated Testing Center of Excellence (TCoE), specialized in providing solutions across Mobile, Cloud and API testing. Our TCoE leverages close to two decades of experience in independent software QA services and our rich talent pool of certified testers and in-house QA advisors, to solve QA testing challenges of business enterprises. Our communication framework ensures that we engage with our client's development and management teams in a seamless manner; consistently feeding updates in an ongoing loop. Dedicated project and relationship managers monitor operations teams, and collaborate with client's technical, management, test, as well as any third party vendor management teams. We combine over 15 years of independent software QA experience with the most up-to-date tools and methodologies to offer tailored testing solutions.

Consistently achieving successful outcomes in QA Testing projects

64%

Quality improvements achieved

27%

Faster time to market delivered

41%

Savings in QA cost through Automation



Navigate your way through digital disruption

The coming of disruptive technologies and trends such as mobility, big data analytics, cloud and social media is altogether redefining the role of IT applications within enterprises. Software applications are no longer playing second fiddle to business operations. In fact, the IT applications ecosystem now acts as a catalyst for achieving business transformation and higher profitability. How do you plan to make the most of it?

Overcoming Your QA Challenges

The coming of new technologies such as big data analytics, cloud, virtualization, mobility, and social media is presenting new challenges to business organizations across industries. Forward thinking businesses realize the need for stringent measures to face these changes; however most still don't have substantiated application strategies in place to overcome their most critical IT challenges.

For enterprises, re-evaluating and modernizing their application portfolios is critical – not only to survive the onslaught of altered market dynamics, but also to transform their businesses, and tap the opportunities that lie ahead.

We at Astegic combine testing best-practices, total project management, and our information security assessed & capability maturity certified frameworks and models, to offer QA solutions for conventional and disruptive technologies.

We offer flexible engagement models to best suit diverse client requirements. Our Outsourced Testing solutions leverage expertise in specialist verticals with deep focus on Quality Assurance in software functionality. Our total project management and ISO 9001-2008 and CMMI ML2 Certified processes ensure high-quality service delivery with guaranteed Quality Assurance in software development and performance.



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About Astegic

For 15 years, Astegic has been helping Fortune 500 through startup companies with their Testing & QA needs. With our in-depth experience across a wide range of industries, our clients receive innovative and best-in-class service and solutions. We offer near 24/7 rapid service from both Astegic's US and India based testing operations.

Focusing on resolving our client's testing challenges, Astegic specializes in decreasing costs, speeding time-to-market and improving the quality of our client's applications. Astegic has a dedicated Testing Center of Excellence (TCoE), specialized in providing solutions across Mobile, Cloud and API testing.

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