

Acutest Artificial Intelligence AI Testing Service

Acutest is a specialist IT consultancy concentrating solely on the Quality Assurance (QA) and testing of IT platforms, software, business process. The company offers comprehensive testing services, ranging from straightforward test analysis to complete QA and test transformation, utilising its proven Principles based approach to testing.

Regardless of the type of testing being undertaken this Principles-based approach is adopted for all tasks, resulting in significantly better practices and outcomes than traditional testing methods.

Acutest can assist you in applying the benefits of generative AI into your QA processes, by accelerating critical tasks and deliverables, releasing valuable time back to your QA teams and business stakeholders.

Additionally, we can help understand the solution risks associated with AI, building appropriate QA strategy to ensure the AI is appropriately tested, and you can deploy your AI enriched solutions with confidence that they will perform successfully within the defined tolerances and guard rails you have set.

AI is transforming the way software is developed and is forming ever bigger part of the delivered solutions. With any transformational change comes new risks. AI is no different. Acutest can help you understand and mitigate these risks and build QA approaches that reap the benefits whilst also ensuring appropriate targeting of testing of your AI enabled solutions.

Service Definition Details

Acutest's service comprises two main parts.

- 1. Applying the benefits of generative AI into your QA processes,**
- 2. Ensuring an optimal QA approach for testing AI-enabled solutions.**

1. Applying the benefits of generative AI into your QA processes,

Acutest's [AI in QA] service helps you automate critical tasks and deliverables right across the development life cycle. By streamlining essential processes, it releases valuable time for IT delivery teams and business stakeholders, letting them focus on the most important tasks or strategic initiatives.

Our research has identified practical uses for generative AI which we have implemented into our own working processes through accelerators we have developed. These can be quickly and easily adapted and deployed into your own organisation allowing you to reap the productivity benefits. These include:

Rapid requirements engineering

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- Efficiently convert existing documents into precise, cohesive, and thorough draft requirement specifications.

Accelerated test creation.

- Quickly generate preliminary user stories and scenarios ready for subject matter expert review and risk assessment.

Fast track test automation.

- Automatically generate tests as feature files to speed up your test automation. Use AI driven prompts to improve your test coverage.

Prompt progress and status reporting.

- Quickly aggregate diverse data sources into clear, consistent, and up to date reports for informed decision-making and knowing when to deploy.

Expedite root cause analysis.

- Speed up the analysis of your issues. Identify and fix the reasons behind your defects more quickly.

Self-Healing tests for efficiency

- Our team has incorporated self-healing technology into our internal test automation framework. This means broken tests update themselves when there are changes in the software they're testing. This means less time spent on maintaining automated tests, freeing up time to focus on new challenges.

The service includes access to all Acutest's approach, including public domain tooling; prompts; data; best practice processes/techniques and status/progress reporting. We will leave you with everything you need to speed up delivery and reduce defects.

2. Ensuring an optimal QA approach for testing AI-enabled solutions.

Acutest can help companies understand the risks introduced alongside the transition to AI-enabled solutions and assist them in building QA approaches that are optimised to give confidence the AI functions with the expected tolerances.

To assist us we have developed a priority matrix that categorises the benefits and associated risks with any AI implementation. The risks we consider in this matrix include the costs of implementation, the level of expertise required to develop and manage the AI solutions, regulatory, and privacy concerns inherent in AI systems, the skill set of the available team, and the suitability of the existing technology for AI integration.

We can provide this service generally to organisations or specifically to individual projects, through an accelerated assessment, followed by iterative and incremental delivery, to allow us to review and refine the testing approach for AI.

By employing a rapid, risk-based approach based on our established framework, we work collaboratively identify areas of improvement, implement quick prototypes/Proof of Concepts to, build confidence and identify pilot areas. Below are key activities that we support:

- We measure the existing maturity in approach to testing AI through a three-pronged approach including review of test deliverables joint workshops, SMEs/stake holder interviews to capture our insights and ideas for improvement.
- Benchmark the test maturity of client's approach to testing AI against the industry best practices
- Define a roadmap for success and create actionable plans that focus effort and value on business priorities
- Leverage industry best-practice Accelerators to reduce cost and improve productivity.

A common reason why testing is completed sub-optimally, or in such a way that a programme fails, is that an inappropriate “one size fits all” approach to testing is used. In our experience, to test AI-enabled solutions well, requires specific approaches, supported by our Acutest practices and principles.

Top Features

- Standardised and structured generative AI use cases for streamlining of QA processes. established and proven with real-world client implementations.
- Access to the Acutest generative AI accelerators – and our support in tailoring and implementation in your organisation.
- Identified opportunities to deliver measurable improvements by Increased productivity and reduced time-to-market for solution delivery.
- A coordinated approach to achieving cost, time and quality improvement.
- Rapid assessment of QA for AI- enabled solutions, and collaborative creation of a prioritized test process improvement backlog that helps optimise, structures, and refines your approach to testing AI-enabled solutions in your organization.
- Comprehensive evaluation of programme (s) testing AI-enabled solutions
- A test assessment can be carried out at any level organisational, programme or project
- We also provide targeted assessments with a view to define the next steps for key requirements for e.g. transformation to agile, overcome current project issues to deliver of time
- Whenever feasible, we provide a public domain version of our tools at the conclusion of the assignment so that our customer can continue building on what we've begun.
- We have already delivered this service to numerous organisations of varying size.

Business Benefits

- Leveraging the real benefits of generative AI in reducing the cost of testing.
- Increased speed of change in utilising the time saving and freeing up key resources for other activities due to using generative AI – accelerators for QA procedures.
- Clear and improved insight into your testing maturity of AI-enabled solutions.

- A clear list of priority areas to focus on for improvements of your approach to testing AI-enabled solutions.
- Early visibility of measurable improvements through proof of concepts/pilots.
- Help client implement the steps that will achieve greater consistency in quality, greater control of test execution of AI-enabled solutions, and improved cost savings.

Onboarding and offboarding support you provide

Our ability to facilitate knowledge transfer, on-boarding and off boarding is of vital importance to us in delivering efficiencies across client projects.

Acutest possesses extensive experience in deploying and managing resources at various levels and scales, spanning multiple programmes and projects. Leveraging this expertise, along with our comprehensive onboarding and knowledge transfer processes, we efficiently deliver the appropriate resources to our clients in a timely and effective manner.

Through our approach to testing, coupled with our proven industry experience and high quality of resource, we can:

- Reduce project overall time and cost through the adoption of our Practices and Principles.
- Offer clients strategic value through collaboration with an experienced, reputable supplier known for its flexibility and ease of doing business.
- Provide a wide range of services and resources that can handle, organise, and deliver complex, results-driven solutions.
- Help develop new ways of working based on best practice and industry standards.
- Shared expertise / innovation from working with similar clients / organisations over the past decades.

Pricing overview, including volume discounts or data extraction costs

Pricing discounts may be available depending on the size and scope of the engagement / projects.

Prices exclude:

- Expenses (Travel and Subsistence)

Service constraints

This service does not have any constraints however, this is subject to buyers/clients' requirements, environment, and technologies.

Service levels like performance, availability, and support hours

Our support hours 9 to 5 (UK time), Monday to Friday.

Clients have 9 to 5 access by email and telephone.

How will we repay buyers if we don't meet service levels?

Please refer to our Terms and Conditions.

Ordering and invoicing process

Please refer to our Terms and Conditions.

How can buyers or suppliers terminate a contract?

Please refer to our Terms and Conditions.

Why Acutest (part of Trustmarque)?

- A specialist provider of testing, assurance, and governance services, concentrating on testing IT processes and technology centred change.
- Our approach focuses on areas that matter most - enabling project teams to move quickly irrespective of methodology and technology.
- Strong and consistent track record of growth.
- Over 90% of our business comes from existing clients and referrals which is genuine confirmation that the approach enables our clients to derive real value from testing.
- Major cost savings by adopting the Acutest Accelerator Framework, a framework that contains all the tools, techniques, and processes to test projects.
- Acutest has a skilled and flexible resource pool with global coverage.
- Our clients go live faster with confidence.
- We have a deep understanding of the market dynamics, the competitiveness, cost challenges as well as customer service needs that our clients face.
- We are a catalyst to programme success.
- A strong organisation and culture.
- We combine our expertise with technology to make processes smarter, organisations more efficient and customer experiences better.
- Highly diversified across private and public sectors.