QE **Generative AI** for Digital Assurance Differentiating value proposition

Our game-changing solution harnesses Generative AI and Machine Learning capabilities.

Its powered by trained large language models (LLM) and assisted by QE bots enabled by predictive analysis.

Atos

QE GenAI platform empowers the QA teams with unmatched insights, revolutionizing testing into a seamless, efficient, and impactful experience.
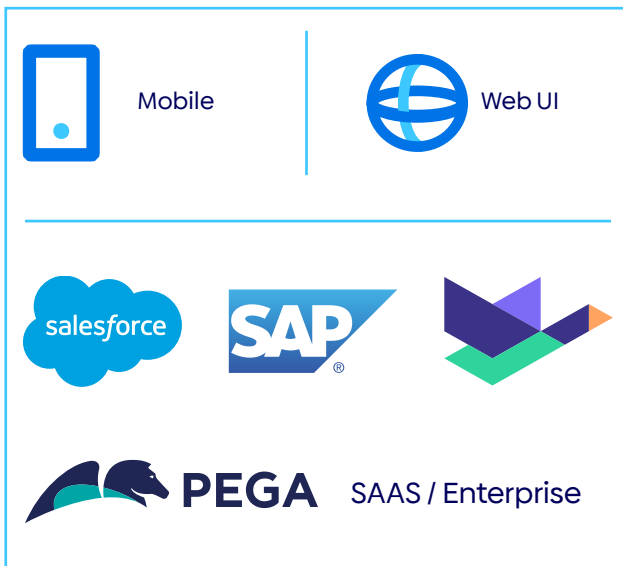
Overall, it has 4 main features:

User Story Assessment and Scoring

- **Assessment** of user stories / requirement documents
- **Scoring and recommendations** of missing elements in user stories / requirements

Test Planning and Design

- **Prompting AI model** automates test strategy
- **Auto-generate** test cases as per the requirement
- Test management tools (JIRA, qTest, ALM, ADO) integration

Test Execution

- **Generative AI Low-code** automation powered by open-source frameworks. Also supports SAP & Salesforce testing
- Create automation scripts for UI & APIs with open-source IDEs like Selenium, Python, Sikuli, JavaScript, and C#

Test Data Mining

- **Controlled Open AI models** for mining test data using natural language for test execution

Atos solution:

Gen AI Automation

- Provides ready to execute scripts with IDEs
- Supports easy integration with any open-source frameworks
- In-built auto-healing feature, AI based failure analysis and extent reports
- Easy integration with CI/CD pipelines

Automation Components

Mobile	Web UI
salesforce	SAP	
PEGA	SAAS / Enterprise

Business Benefits

2000+ Inbuilt repositories
for SaaS applications with domain intelligence

Plug-in adaptors for
3rd party integration

50% productivity
improvement in automation scripting

20% cost
reduction in overall QA automation scripting

<10% effort
required for script maintenance

Client Story:
European Truck Manufacturer

QE GenAI Platform - Automating Manual Test Cases

Atos pioneered a connected vehicle platform, empowering dealers, fleet owners, and managers with tools for efficient fleet management. As the sole vendor, our digital assurance services were crucial to successful platform rollouts.

Challenges

- Distributed domain and technical knowledge across teams
- **23–25%** functional defect leakage to UAT
- Minimal UI/API test automation **(up to 10%)**
- Shortened testing window due to frequent deployments

Our Solution

Proposed QE GenAI platform for connected vehicle rollouts, featuring:

- IoT domain and functional knowledge integration
- GenAI-driven automation using the Selenium framework
- Automated regression for SIT and UAT cycles

Business Benefits

- **20-25%** early defect detection
- **95%** regression automation (1700+ test cases)
- **2x Time to Market** and product quality enhanacement
- **50%** productivity boost in scripting
- **20%** QA cost reduction
- **Improved handling** of frequent deployments

About Atos

Atos Group is a global leader in digital transformation with c. 72,000 employees and annual revenue of c. € 10 billion, operating in 68 countries under two brands — Atos for services and Eviden for products. European number one in cybersecurity, cloud and high-performance computing, Atos Group is committed to a secure and decarbonized future and provides tailored AI-powered, end-to-end solutions for all industries. Atos is a SE (Societas Europaea) and listed on Euronext Paris.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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Let's start a discussion together

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