

Reference

Automating and accelerating test cases for a leading European truck manufacturer

How Atos Polaris AI uses GenAI and ML for automating manual test cases with precision

Atos

About the client

The European truck manufacturing company is a global technology leader in the design and manufacturing of premium quality light, medium and heavy-duty commercial vehicles.

At a glance

In the current automotive environment, connected vehicles are not just the need of the moment but are paving the way of the future. A European truck manufacturer collaborated with Atos for GenAI-powered test case generation on a connected vehicles platform to improve its time to market and reduce costs.

Outcomes

- **20-25% early defect identification, regression automation of 2000+ test cases (95%)** through Atos Polaris AI - Testing platform
- **50% productivity improvement** in automation scripting
- **20% cost reduction** in overall QA
- **2x faster Time to Market**

Challenges

A bumpy ride

The European truck manufacturer was facing a challenge with its high rollout time for connected vehicles, making it uncompetitive in the market. Relatively high costs translated into lesser budgets for new features in the connected vehicle platform. Other challenges included:

- Only 10% UI and API test automation
- Distributed domain, functional and technical knowledge among teams
- 23% - 25% functional defect leakage in UAT

The client was looking to execute a 4000+ regression functional suite in a short testing window, but this was difficult in view of the business-driven constraints.

Solution

Getting the show on the road

- Partnering with Atos, the client was presented with a proposal to implement Atos Polaris AI testing module. This platform aligns with the connected vehicle platform rollouts, and is enriched with IoT domain and functional knowledge.
- Atos implemented an inbuilt GenAI automation framework for automation scripting through a selenium framework. The team also planned automated regression for SIT and UAT test cycles.

Results

Automate. Assess. Deploy.

Leveraging the Atos Polaris AI - Testing platform enabled the client with the following benefits:

- 20-25% early defect identification
- Regression automation of more than 2,000 test cases (95%)
- 50% boost in productivity in automation scripting
- 20% cost reduction in quality assessment

This allowed the manufacturer to handle frequent deployment with ease.

Find out more

Atos' rich experience in deploying connected platforms to support automotive companies makes us one of the leaders in the market, and its rich IP makes us uniquely positioned to assess, suggest and deploy transformative frictionless solutions quickly.

>> Learn more about how Atos can help you match pace with the changing digital environment in your industry: **Digital Applications - Atos.**

>> Find out more about Atos' IPs and solutions that are tailored to your business needs: **Contact Us - Atos.**



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Let's start discussion together



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