



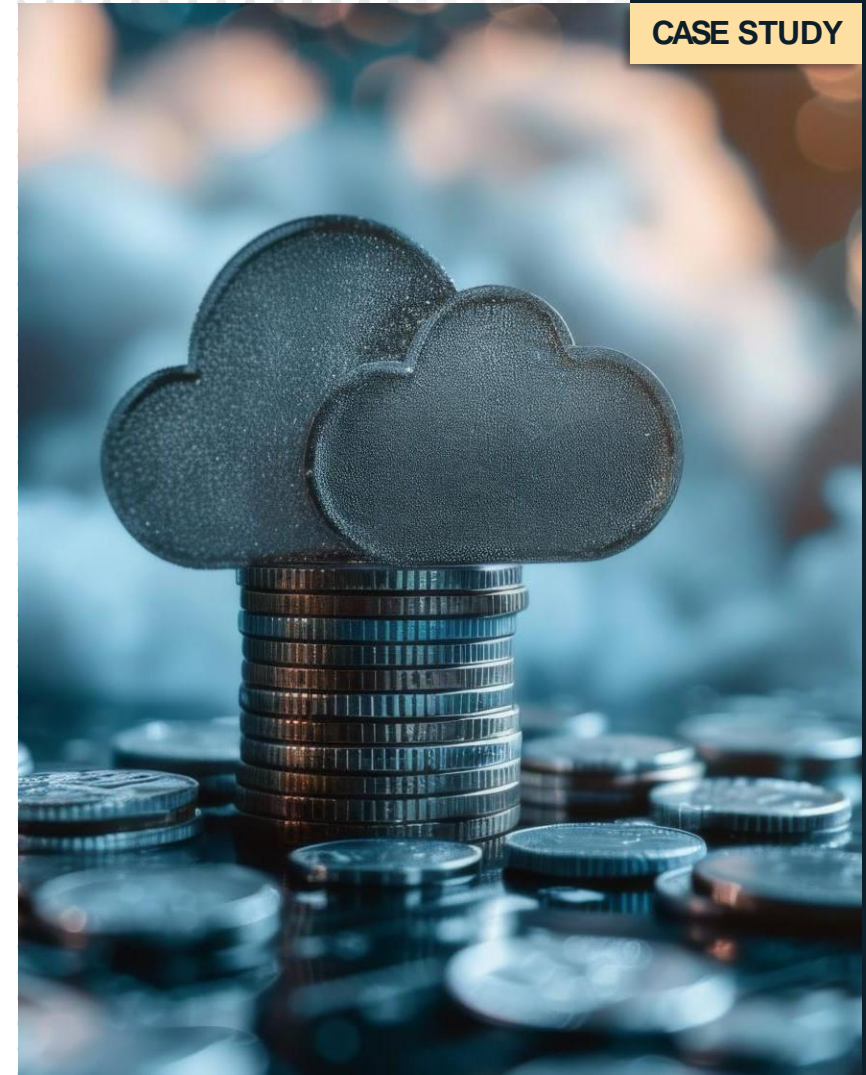
53% Overall Cost Reduction through intelligent test optimization for a US-based leading suspension innovator

Revolutionizing QA and Business Agility

For over two decades, this Global leader designed and manufactured advanced air suspension systems and components for heavy-duty trucks and trailers. However, reliance on outdated QA methodologies led to inefficiencies, increased software defects, and delayed market releases.

Recognizing the need for transformation, the client collaborated with Cygnets.One to modernize its QA strategy, ensuring improved software quality and business agility.

CASE STUDY



The Turning Point: Challenges that Sparked Change

The organization's reliance on **manual testing and outdated QA practices** presented several critical roadblocks

Inefficient Manual Testing Process
Prolonged release cycles due to excessive manual testing

Legacy System Integration
Challenges in integrating legacy systems with modern applications..



Recognizing the need for change, the company partnered with Cygnet.One to drive their QA transformation

Building the Foundation for QA Transformation



Cygnets conducted 6 weeks of consulting, assessed the testing landscape, and delivered a tailored QA solution to optimize testing processes



Current QA Process Review

- Conducted a maturity assessment and identified a baseline QA maturity level of **22%**.
- Provided strategic recommendations and a roadmap to achieve **65% QA maturity** within **6-9 months**.



Automation Feasibility Roadmap

- Developed Strategic **GenAI-Driven Roadmap** to achieve **75%** automation coverage within 6 months..
- Identified key applications and workflows suited for **AI-driven automation, optimizing efficiency and decision-making**.



Tool Recommendation & Integration

- Developed a tool strategy aligned with business needs.
- Integrated testing processes with **Azure**, enabling seamless CI/CD testing.
- Established test management practices to enhance test execution visibility.



Testing Practice Establishment

- Created a **horizontal testing practice** to standardize testing efforts across teams.
- Implemented best practices to ensure efficiency, consistency, and improved defect detection.

Achieving Remarkable Results

measurable improvements in efficiency, test coverage, and software quality through **intelligent automation** and **predictive analytics**.



30% Faster Release Cycles – Reduced testing bottlenecks, accelerating software deployments.



65% Effort Reduction– Leveraged **AI-driven automation** and **Gen AI-powered test generation** to eliminate repetitive testing tasks, enhancing team productivity and accelerating release cycles.



88% Improved Test Coverage – Enhanced defect detection and minimized production failures.



Seamless CI/CD Integration – Achieved continuous testing, enabling faster go-to-market..

Turning Obstacles into Opportunities: The QA Advantage

With this transformation, the client has turned its QA operations into a **strategic advantage**. The implementation of **standardized testing practices and automation** has enabled **faster releases, improved test coverage, and seamless CI/CD integration**, all while reducing manual efforts.

Now equipped with a **mature, scalable, and efficient QA framework**, the client is well-positioned to **enhance software reliability, accelerate time-to-market, and drive business growth** in a highly competitive industry.



By collaborating with Cygnet.One, the organization not only overcame its QA challenges but also unlocked new opportunities for **growth, efficiency, and software quality excellence** in the transportation industry.

CYGNET.ONE

Cygnnet.One is your dedicated digital transformation partner. At Cygnet, through our proprietary framework, Cygnet COSMOS, we empower organizations across the spectrum of business intelligence, and customer experience. Our comprehensive suite of services encompasses Domain Consulting, Digital Engineering, and Enterprise Applications, with a keen emphasis on Digital Commerce and Experience. We harness the potential of Data, Analytics, AI, IoT, and Automation, coupled with AI-powered Testing as a Service, to drive your transformation agenda. With flagship products like Tax Transformation, Cygnet IRP, and Finance Transformation, we are dedicated to a digitally enabled future for your enterprise. What sets us apart is our unwavering commitment to a "**Business First**" approach. We're not just developing applications; we're co-innovating with you to forge the future.



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CO-IDEATE

Co-Ideate for new product development & new market GTM



CO-CREATE

Co-Create technology enabled connected business solutions



CO-INNOVATE

Co-Innovate intelligent solutions with Cygnet launchpad.



CO-EVOLVE

Co-Evolve with a strong continuum of Cygnetians, clients, & partners.