

CYGNET.ONE



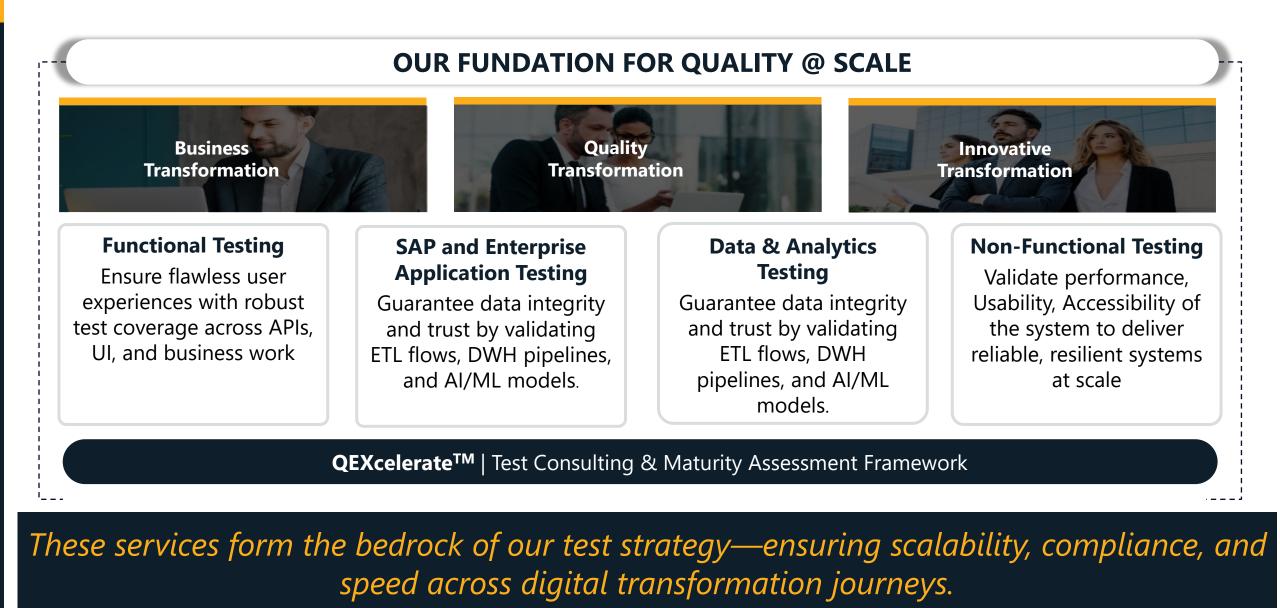
Al First Quality Engineering @Cygnet.One

May 2025

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Agenda

Cygnet's Core Quality Engineering Services



AI-First Quality Engineering at Cygnet.One

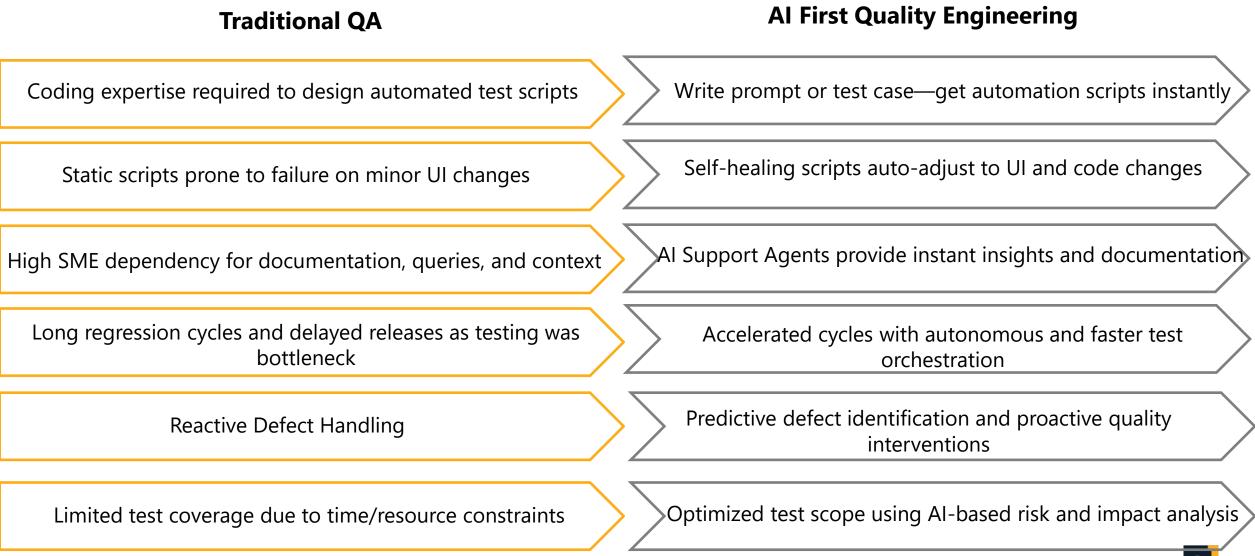
Reimagining Speed, Stability & Support with Intelligent Test Agents



Test Faster | Fix Smarter | Support Effortlessly

The Shift | We moved to AI First QE

We reimagined QE not just as a support function, but as a value driver—powered by GenAI and Agentic AI

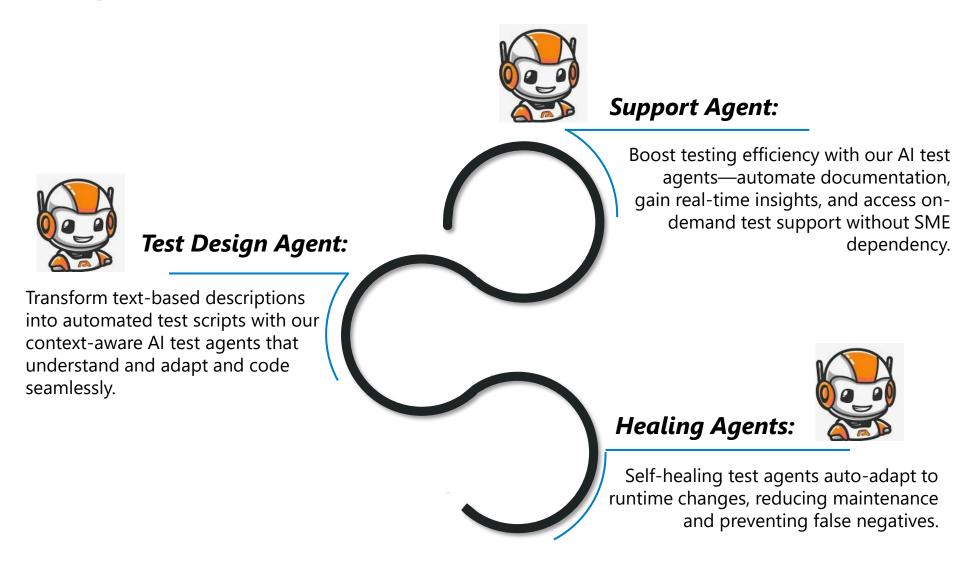




Our Al Agents in Action

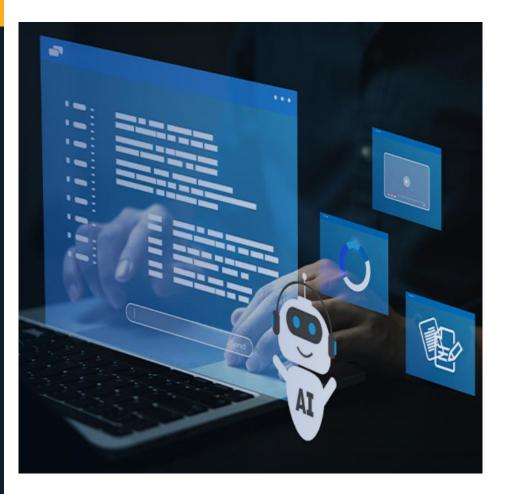
Integrates seamlessly with our core QE services, reducing effort and boosting precision

Our AI Agents in Action



Test Design Agent: Text-to-Test Automation at Scale

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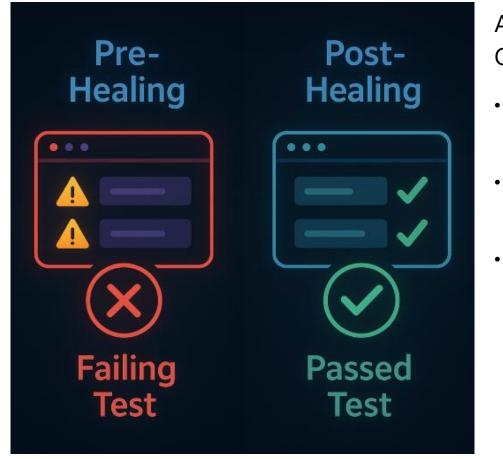


Traditional test design is slow, manual, and knowledge-heavy. Our Al-powered Test Design Agent transforms this process by:

- **Understanding Natural Language:** Converts user stories, acceptance criteria, or requirement docs into automated test cases using context-aware GenAI.
- **Context-Aware Quick Scripting:** Understands the application under test and generates the automated test script in seconds. The scripts are TestingWhiz Compatible and can be immediately used for execution.
- **Accelerated Test Authoring:** Reduces design time by more than **90%**, letting teams build automation earlier in the lifecycle

Faster go-to-market, reduced reliance on SMEs, and improved test coverage from day one

Healing Agent: Self-Healing Tests for Stable CI/CD Pipelines



Automation failures due to minor UI changes are a thing of the past. Our Healing Agent ensures:

- Self-Healing Scripts: Identifies runtime object/property changes and adapts automatically.
 - **Zero False Negatives:** Keeps pipelines green and trustworthy without human intervention.
 - **Maintenance-Free Automation:** Reduces script flakiness and effort by more than **70%**, making regression suites reliable.

Increased automation ROI, stabilized DevOps pipelines, and proactive quality assurance.

Support Agent: Instant Test Assistance, Minus the Manual Chase



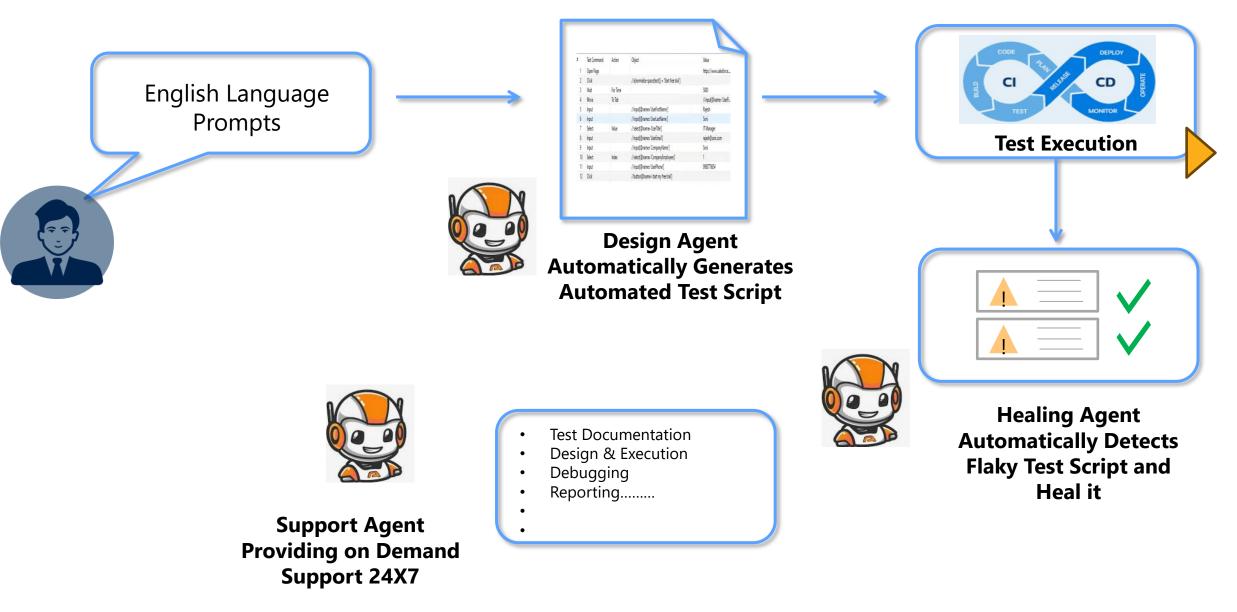
Say goodbye to static documentation and support bottlenecks. The Support Agent empowers your testers by:

- **Conversational Interface:** Ask questions, get updates, raise issues—just chat.
- On-Demand Expertise: Replace SME dependency with an intelligent assistant trained on test artifacts, past runs, and issue logs.
- Effortless Documentation: Auto-captures key decisions, results, and learnings—generating test evidence and audit trails on the fly.

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Faster issue resolution, lower onboarding effort, and consistent QA support 24/7

A Day in the life of a QA in Cygnet.One



Measurable Benefits of AI-First QE

We've transformed testing into a continuous, intelligent layer aligned with the pace of modern engineering

A UK-based BFSI customer used AI agents for test design and healing, cutting testing time by ~65% and speeding up releases by more than 30%.

A US manufacturing client deployed a Support Agent across all testing projects , reducing issue resolution time by \sim 44% and manual effort by \sim 60%.

A US-based customer leveraged TestingWhiz with Design, Healing, and Support Agents, improving test speed by 35% and reduction in maintenance time by more than 50%

Roadmap to AI-First Quality Engineering

We've transformed testing into a continuous, intelligent layer aligned with the pace of modern engineering

Establish

Assess readiness and set the AI-First foundation

•Use **QEXcelerate** for AI readiness & test maturity assessment

•Launch GenAl-led PoCs via **SmartQE hub** (Test Design, Support, Healing)

•Deploy tools like **TestingWhiz** for lowcode automation pilots

•Integrate AI Agents into a pilot project for auto test case generation

Outcome: AI-First baseline defined with measurable pilot results

Expand

Scale AI across functional & non-functional testing

•Use **TestingWhiz** for regression, API, UI & ERP automation

•Leverage **Smart QE Hub** for centralized assets & AI agent synergy

•Deploy **Healing Agents**, enable RBT & defect prediction

•Drive Dev-QA-Ops collaboration via Al dashboards

Outcome: Al scaled across units; faster cycles, reduced effort

Transform

Build a future-ready, self-evolving test ecosystem

•Implement **AI TestOps** to integrate AIdriven automation and continuous learning loops within test operations

•Create **Smart QE Hub** as intelligent command center for all QE functions

•Unified AI-First QE Strategy:

- Integrate AI in traditional and AI system validation
- Use QEXcelerate for strategy realignment

Outcome: Autonomous testing, faster releases, and enhanced QA value delivery

THANK YOU





