



Transforming Software Quality with

**Quality As A Service**

**Technical | Innovative | Real Time**



# Quality As A Service

Technical | Innovative | Real Time



AI Enabled



QAAS Strategy

Unique approach to mitigate  
QA process gaps in the market

NextGen  
Software  
Application(s)



Faster with accuracy

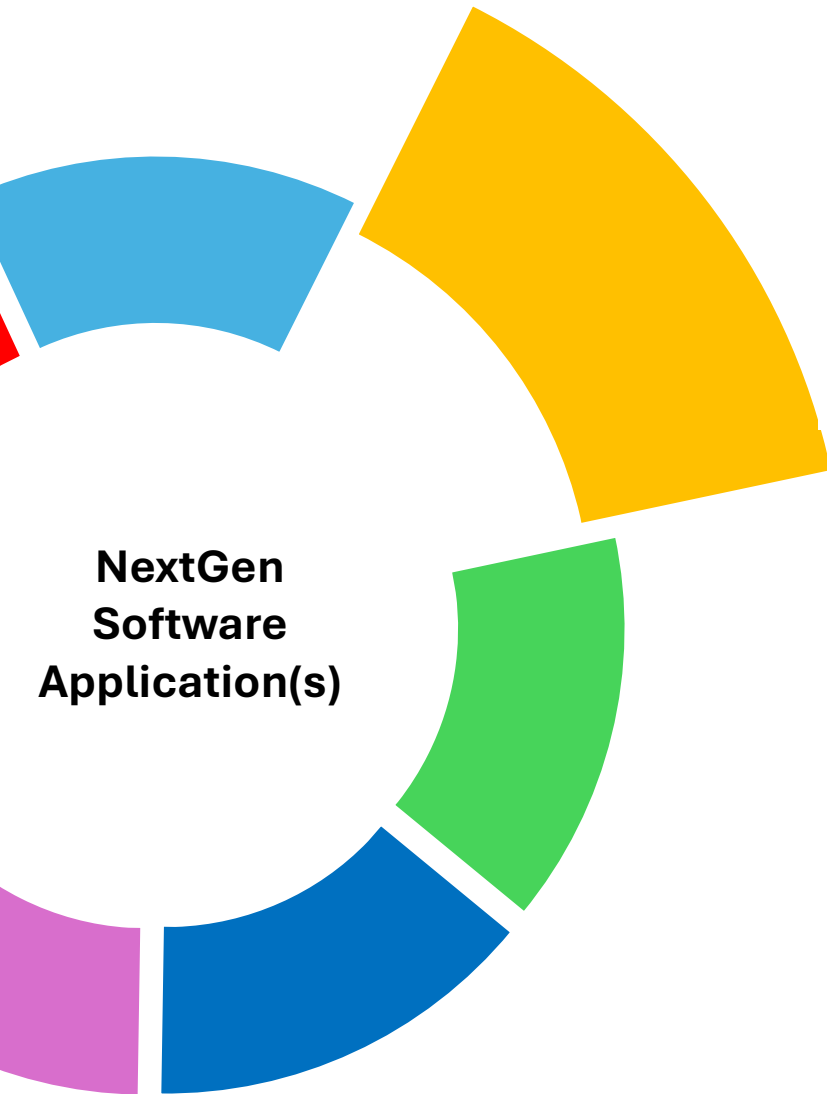
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## R&D project in depth

- R&D team will scan requirements, client road map
- Create mind map in co-ordination with other teams



NextGen  
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## Automation



NextGen  
Software  
Application(s)

**Automate Everything to more focus on Quality**

- Automation framework for web, mobile
- Automate the manual work apart from app testing
- Automate test data preparation



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## API testing end-end

- ✓ Functional Testing – Valid/Invalid Inputs and response
- ✓ Security Testing – OAuth, JWT, encryption, access control, XSS and find vulnerabilities
- ✓ Performance Testing
- ✓ Reliability and Stability Testing
- ✓ Data Integrity Testing
- ✓ Compatibility Testing
- ✓ Usability and Documentation Testing
- ✓ Compliance Testing

NextGen  
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## Functional

In depth focus on functional scenarios

- Functional team only focus on functional scenarios, in depth use cases, out of box use cases and complex workflows
- ZBC – Zero Bug Cost



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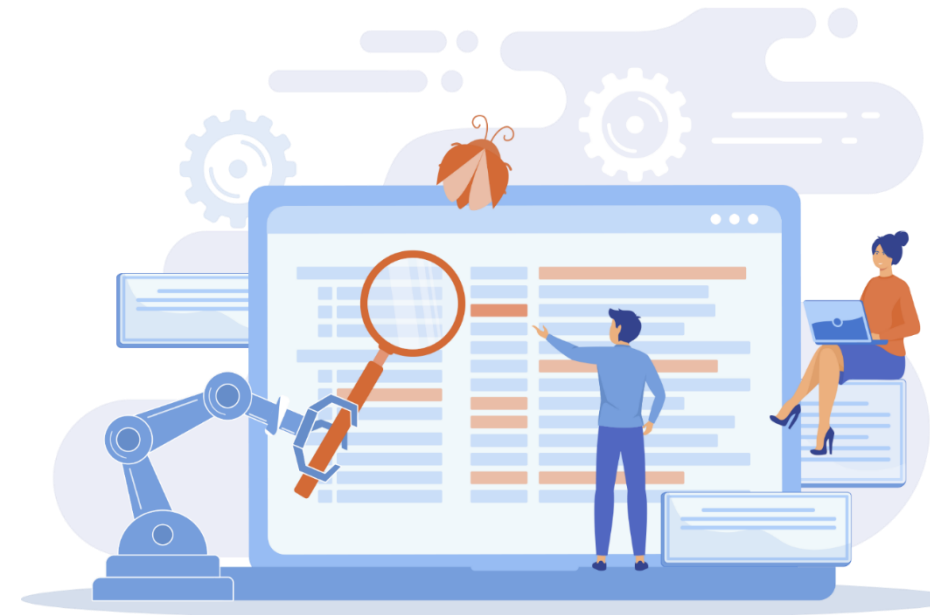
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## Non-Functional

- ✓ Security
- ✓ Performance
- ✓ Accessibility
- ✓ Usability
- ✓ Compatibility
- ✓ Compliance



NextGen  
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## Real Time Testing

- ✓ Real Time Testing
- ✓ Real Time Use Cases
- ✓ Business Flows



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Integration Testing



## Integration

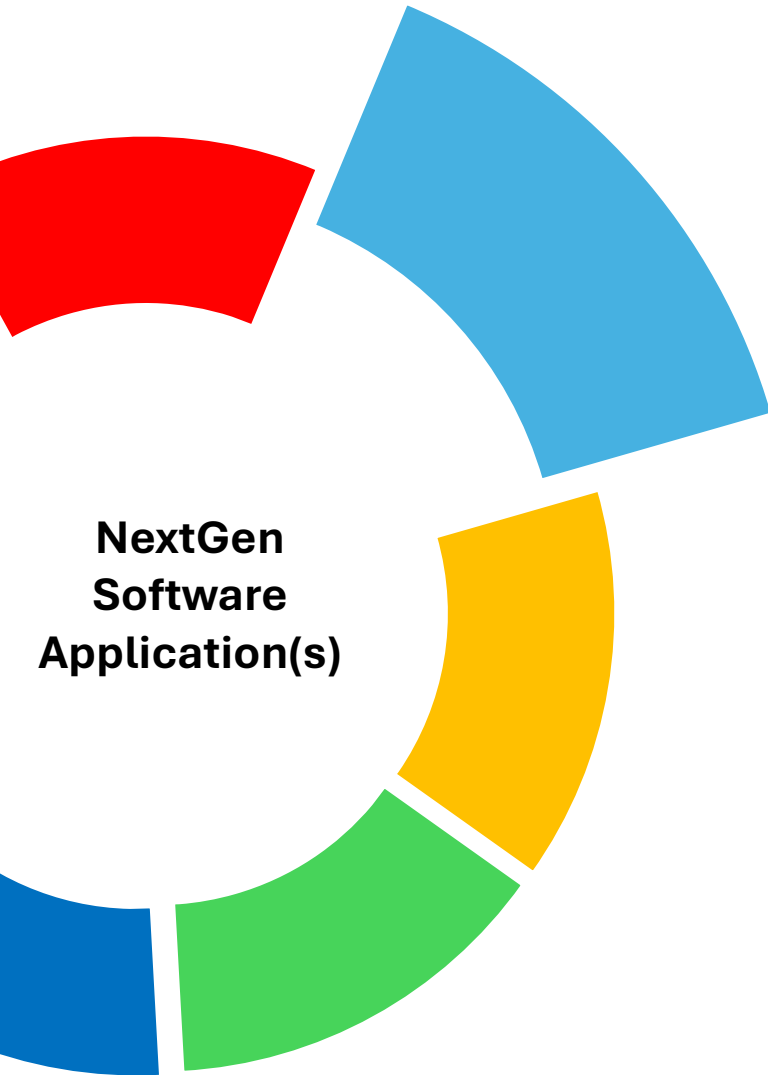


Test integration scenarios for every sprint, release in all environments

## Co-Pilot



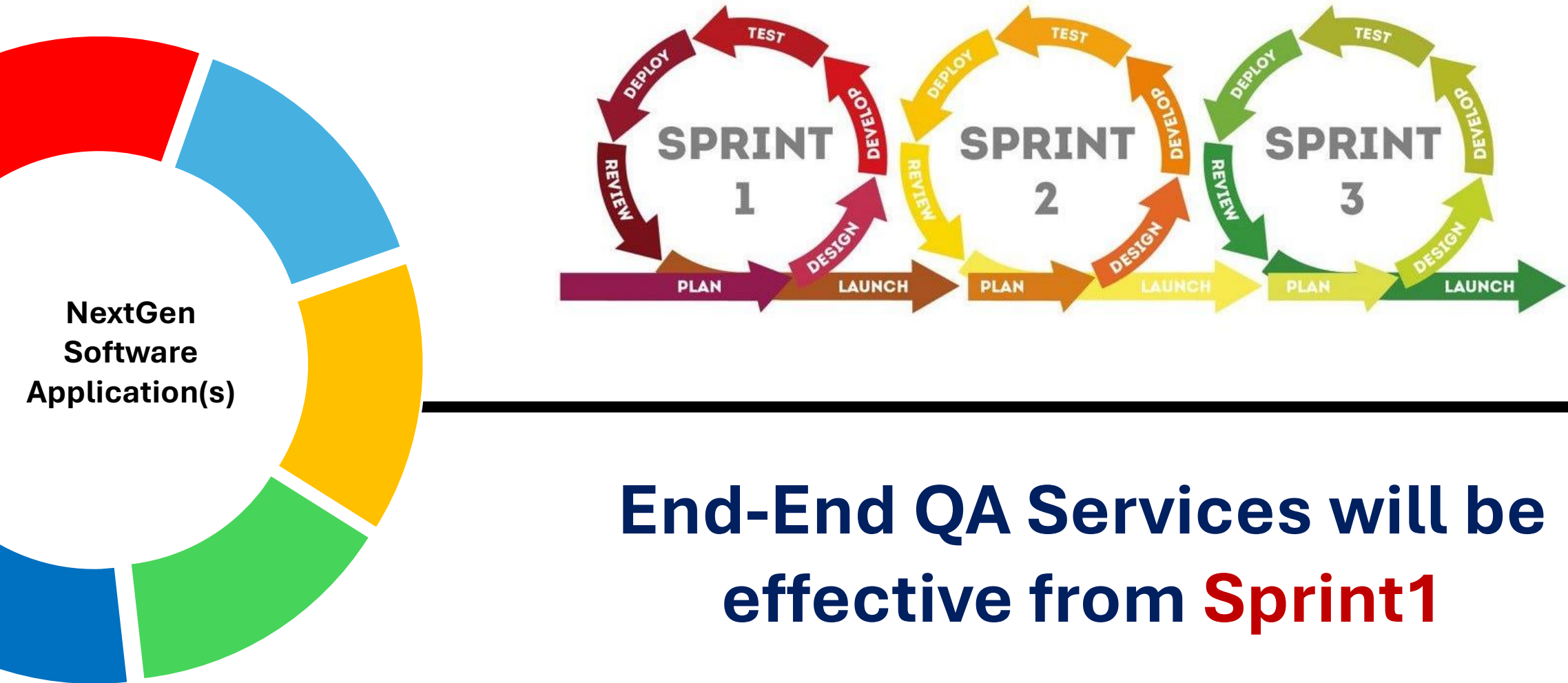
Coordinates all teams and resolve gaps



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## QA GAPS IN Market



### Time Constraint

**Tight Deadlines:** Meeting tight project deadlines often leads to reduced testing time, increasing the risk of undetected defects

**Soil Soft Practice – QAAS:** QAAS team structure overcomes time constraint issue



### Communication Gaps

**Interdepartmental Coordination:** Lack of clear communication between development, testing, and business teams can lead to misunderstandings and missed requirements.

**Soil Soft Practice – QAAS:** Our Co-Pilot team will take care of coordination among team and resolving regularly.



### QA vs Time To Market

**Compromise on Quality:** In the rush to market, quality assurance might be compromised, leading to post-release issues.

**Soil Soft Practice – QAAS:** Prioritizing tests and execution will find critical, major bugs at the earliest causing low bug cost.



### Tools & Tech Challenges

**Tool Selection:** Choosing the right tools that fit the project's needs and budget can be difficult.

**Soil Soft Practice – QAAS:** We choose opensource tools mostly, customize and automate leads effective testing and reduces cost and can be done within budget.

## QA GAPS IN Market



### Maintaining Test Environments

**Environment Setup:** Setting up and maintaining multiple test environments (e.g., staging, production-like) can be resource-intensive.

**Soil Soft Practice – QAAS:** We will setup environments using hypervisors like Oracle Virtual Desktop to test and manage different Operating Systems by DevOps team. Will use Lambda for multi-OS and multi browsers and versions



### Scalability Issues

**Scaling Tests:** As the application grows, the number of test cases and the complexity of testing increase, requiring scalable testing solutions.

**Soil Soft Practice – QAAS:** With Soil Soft's automation platform, we can automate tests cases quickly and effectively.



### High Cost

**Resource Intensive:** Hiring skilled testers, purchasing testing tools, and maintaining testing environments can be expensive.

**Soil Soft Practice – QAAS:** Involving High Skilled SME's for project, having own code with AI enabled will reduce the usage of licensing tools like RPA, Tosca.

## Cutting-Edge Tools and Automation

- ✓ **QAAS GPT (Custom GPT for QAAS practice)**
- ✓ Automation - frameworks with Playwright, Selenium
- ✓ Performance - JMeter, K6
- ✓ Security – Burp Suite, Net sparker, Nessus, ZAP proxy
- ✓ Power Shell, Python for script-based tasks – Budget friendly, alternative for RPA, Zapier, Workato
- ✓ Custom scripts for data generation and encryption
- ✓ **ChatGPT 4.0**
- ✓ **OpenAI API**

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*Thanks for giving us your time!*

