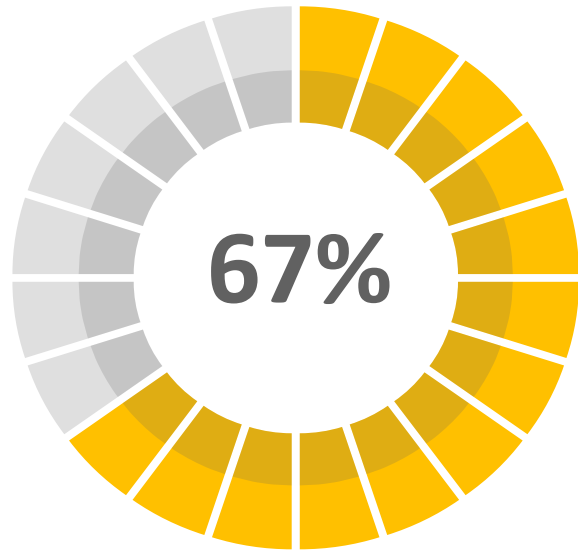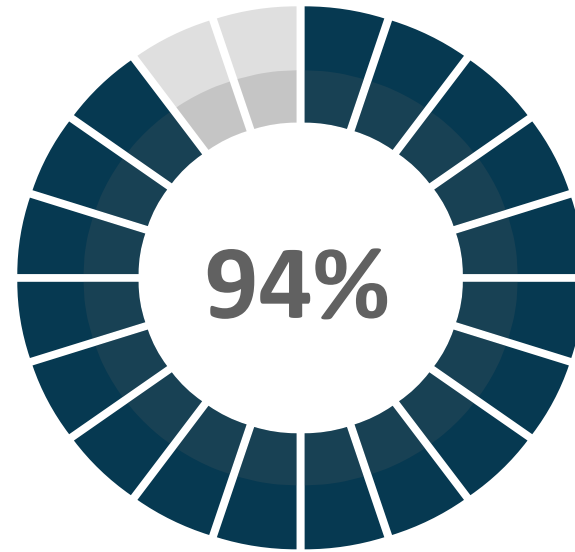# Our Capabilities

AGILE TESTING

Agile QA is tricky
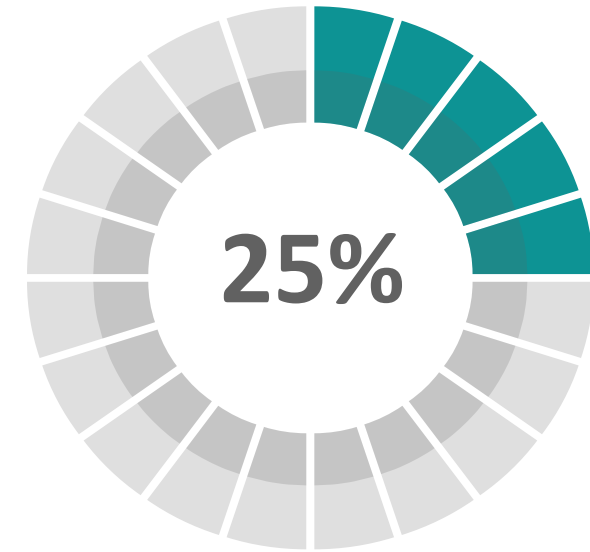
Several changes in each sprint. Severe time crunch. High possibility of errors.

67%

of business leaders say that the future of their business depends on the quality of their software.[1]

94%

executives feel an increased pressure to release new software faster.[2]

25%

of application-development and operation costs could be saved by leveraging automation.[3]
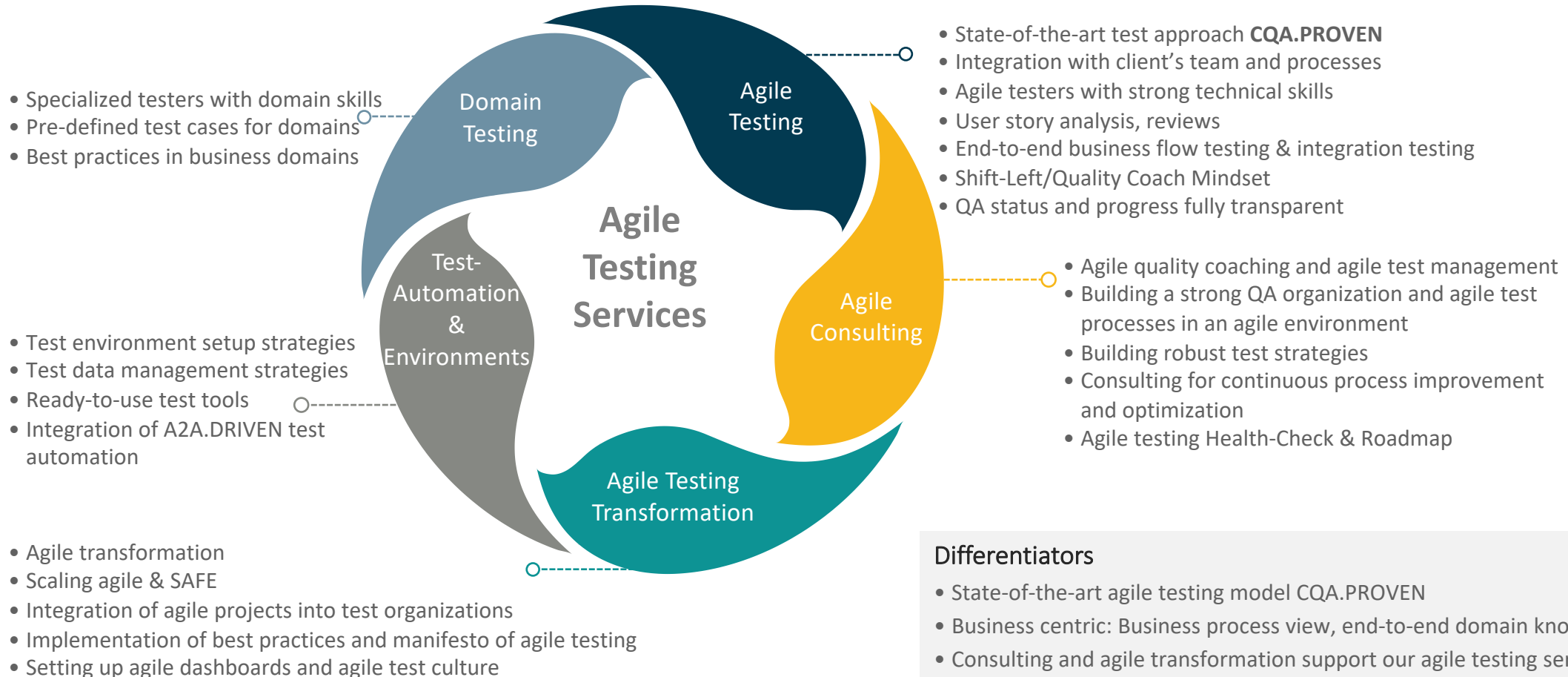
1) "Surviving Disruption, Leading Change: Winning in the Application Economy", 2015
2) 2014 Vanson Bourne study commissioned by CA
3) "DevOps and the Cost of Downtime" – IDC 2014

Agile testing services

Sail through fast changing business needs. Build quality at each step.

Agile Testing Services (central diagram with five segments):
- Agile Testing
- Agile Consulting
- Agile Testing Transformation
- Test-Automation & Environments
- Domain Testing

Domain Testing
- Specialized testers with domain skills
- Pre-defined test cases for domains
- Best practices in business domains

Agile Testing
- State-of-the-art test approach **CQA.PROVEN**
- Integration with client's team and processes
- Agile testers with strong technical skills
- User story analysis, reviews
- End-to-end business flow testing & integration testing
- Shift-Left/Quality Coach Mindset
- QA status and progress fully transparent

Agile Consulting
- Agile quality coaching and agile test management
- Building a strong QA organization and agile test processes in an agile environment
- Building robust test strategies
- Consulting for continuous process improvement and optimization
- Agile testing Health-Check & Roadmap

Test-Automation & Environments
- Test environment setup strategies
- Test data management strategies
- Ready-to-use test tools
- Integration of A2A.DRIVEN test automation

Agile Testing Transformation
- Agile transformation
- Scaling agile & SAFE
- Integration of agile projects into test organizations
- Implementation of best practices and manifesto of agile testing
- Setting up agile dashboards and agile test culture

Differentiators
- State-of-the-art agile testing model CQA.PROVEN
- Business centric: Business process view, end-to-end domain knowledge
- Consulting and agile transformation support our agile testing services
- Technical skills & DevOps

JIRA ZEPHYR Real-Time Test Management Xray for JIRA Visual Studio Microsoft Test Manager 2013 MICRO FOCUS ALM Suite ALM Octane Application Lifecycle Management TFS

Agile Testing

Testing Activities in **CQA.PROVEN**

Daily Scrum Calls
- Acting as quality coaches
- Transparent view of quality & progress

Unit testing
Supporting development of effective unit test cases and test driven development.

User Story Tests
- Functional, integration & system testing during each sprint (for the newly implemented stories)
- Preparation of test environments & test data
- Performing and facilitating reviews, using CQA.PROVEN to 'test the testing'
- Reporting of QA Status and critical issues

Transparency

QA status and progress reported live and is accessible

Sprint Reviews & Acceptance tests
Supporting & preparing user tests and formal acceptance tests

Backlog grooming
- Review of business criteria and end-to-end processes by testers with domain knowledge.
- Creating test strategy and sprint test plans.

Sprint planning
- Adding QA viewpoint to the sprint planning, ensuring testability
- Constantly verifying the chosen test strategy via CQA.PROVEN approach

Automated Regression Testing
- A2A.DRIVEN-based test automation of features, interfaces and end-to-end scenarios
- Executed nightly and within build-pipeline

Sprint Retrospective
- Continuous improvement of QA processes
- Root cause analysis

Differentiators
- We act as one team
- Testers are fully integrated in scrum team
- Testers act as quality coaches
- QA status and progress fully transparent
- Test automation (using A2A.DRIVEN approach) for regression testing

Agile Testing
Success Factors with CQA.PROVEN

Testers are part of the team
- Agile testers are cathedral builders, not stone cutters
- Testers help the Scrum Team take collective ownership of QA

Agile testing mindset
- Testers drop the 'Quality Police' mindset
- Testers are Agile Quality Coaches & promote 'Shift Left' philosophy
- Focus on team goals & customer value

Foundation of critical practices
- Session-based testing, agile test environments
- Testers with technical skills also test APIs and databases

Automating tests
- Automating tests wherever practical
- Rapid feedback helps in building quality

Collaboration
- Collaborating with customers
- Collaborating within team
- Collaborating with DevOps

Looking at the big picture
- Balancing against developer focus on technical implementation
- End-to-end process testing due to deep domain knowledge

Continuous improvement
- Team retrospectives
- Testing with CQA.PROVEN approach

nagarro

BUILDING QUALITY
CONTINUOUSLY