



QF4 TECHNOLOGIES

Customer value is our only metric

# AGILE

Provider of  
Innovation and  
Technology  
Services

[qf4tech.com](http://qf4tech.com)

# OUR COMPANY

QF4 Technologies is an international consulting firm that helps companies implement Agile, Blockchain, and Life Sciences services. Our solutions bridge the gap between process and technology and focus on the teams who carry them out. Our solutions address the fragmented way Agile, Blockchain, and Life Sciences initiatives are implemented. Focusing on unifying teams and processes, we deliver an integrated approach that supports the goals of any organization. QF4's strength in integrated solutions is rooted in our breadth of expertise and experience.

## OUR MISSION

QF4 Technologies mission is to empower organizations and people to be more effective, efficient, and successful in delivering their products and services to the marketplace. To leverage technology to help organizations be more transparent and improve operational efficiency. In essence – to be the catalyst and model for setting the standards for product development and creating a transparent and collaborative environment, where people are motivated to take ownership of their work and reach their potential.

## OUR VISION

Nothing less than realizing the full potential of our clients and helping them unlock their greatest asset for maximum success, we call knowledge, in this complex world we live in.

## OUR PARTNERS



# CONTENTS

Transformation services	4
Consulting and advisory	5
Testing	6
SAFe consulting	7
Development	9
Enterprise Agile	10
Training	12

# What is Agile?

Often used as the abbreviation for Agile Software Development or Agile Methods. Agile is a generic term which refers to a collection of light weight software development methodologies that value and support evolving requirements through iterative development, direct Customer/Developer communication and collaboration, self-organizing cross-functional teams, and continuous improvement through frequent inspection and adaptation.

## TRANSFORMATION SERVICES

Transitioning from 'doing agile' to 'being agile' requires something other than just an assortment of practices; it requires an organization to embrace agility as the way of operation and to thrive. Many organizations have been building software and related products for decades or years. Gone are the days of "shrink-wrapped" software that were delivered in a strict serial model called "waterfall" that went from requirements to delivery in big block of steps. The world has decided to move much faster and build smaller software in incremental steps. QF4 has developed key expertise to make your organization's transformation to agile smooth, seamless and pain-free.

### Change Management

This is the first step in your agile transformation journey. We start by setting up the business objectives and sort out change authority groups necessary to meet those objectives. Regardless of scale of change, managing the change in a rigorous way exhibits the discipline necessary to successfully complete any agile transformation project.

### Delivery Agility

This helps in changing your skilled people into high-performing, autonomous teams who can deliver software and product rapidly and reliably in a well-coordinated manner. Benefits of this framework include - Rapid delivery with higher quality and reduced cost, improved transparency and predictability, better product-market fit in an iterative manner.



### Organizational Agility

Once change management blueprint is implemented using delivery agility frameworks, organizational agility brings key leaders of the organization to advance three fundamental work spaces – physical, virtual, and mental of every part of the organization. QF4 Technologies aims to transcend your organization into a "learning machine" that continuously learns from the world around it.

### Business Agility

Our company aims to bridge any gap between IT and product development with business functions of a corporation, namely, finance, sales and marketing. QF4 Technologies has business agility experts who bring the non-technical transformation complimenting organizational agility – completing the loop and cycle of your agile transformation in the most holistic manner.



## Agile Discovery and Checkup services

QF4 agile discovery services include a range of checklists and discovery processes to help clients understand where they stand in their agile journey through transformation or maturity process.



## Agile Maturity Matrix Tool

QF4 has developed a unique agile maturity matrix as well as created a sophisticated tool that shows all key parameters of agile transformation, progress monitoring, tracking of key issues and executive reporting.



## Business Value Analysis Services

Our Business Value Analysis Service helps undertakings assess the ROI of agile projects as far as quicker time to market, cost reserve funds, and other relevant measures.



## Agile Pilot Selection Services

Our services empowers organizations to pick the best ventures and groups for beginning the agile journey. QF4's guided pilot project selection brings the "wins" for the agile activity while limiting the dangers of possible failure.

## TYPICAL AGILE PROJECTS

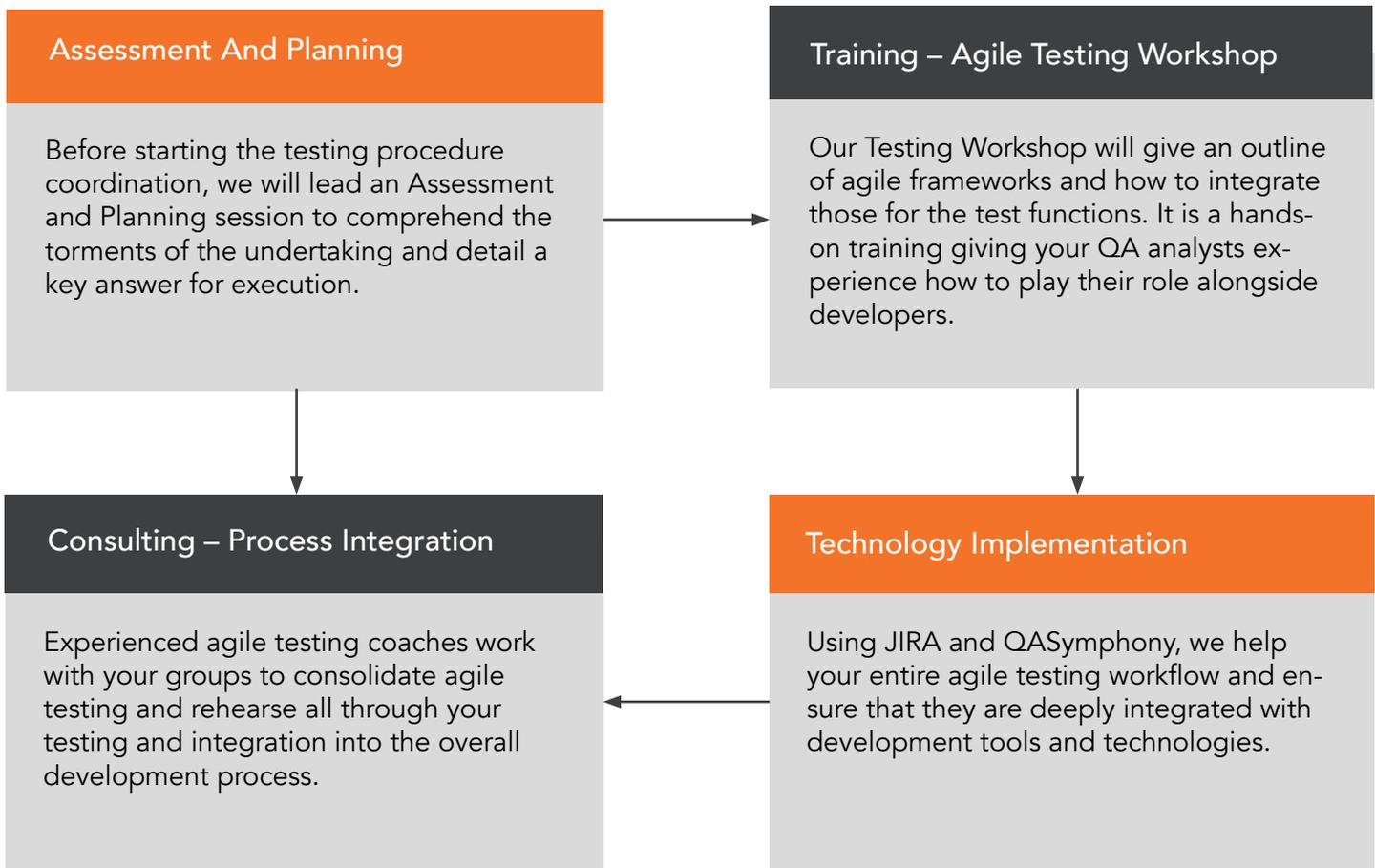
- Perform agile readiness assessments and gap analyses.
- Conduct business value analyses to identify high-ROI opportunities for agile projects.
- Measure and track agile maturity.
- Validate team and organizational structures.
- Select, start up and evaluate pilot projects.
- Recommend and guide agile practice improvements (in user story and epic creation, backlog grooming, iteration planning, standup meetings, retrospectives, etc.)
- Recommend and guide improvements in agile technical practices (agile testing, DevOps, continuous delivery, etc.)
- Develop and measure agile performance and ROI metrics.
- Select and deploy enterprise agile frameworks (SAFe, Enterprise Agility Framework, etc.)
- Select and tailor advanced agile management practices (flexible funding, agile portfolio management, incentives for agile projects, etc.)

# TESTING SERVICES

## AGILE TESTING

In agile development, testing is intended to be a piece of the continuous improvement procedure, running alongside coding. However numerous Agile-like initiatives hamper a fully streamlined and smooth development flow. In modern SDLC, all code ought to be tested and tried early and throughout the lifecycle. Agile testing compliments agile and lean development and we at QF4 Technologies, bring the expert QA and test professionals for functional, scale / performance, system, regression or production testing. In QF4's agile test service, teams always contain a blend of testing specialists, who self-compose to create and approve an incrementally built software for shipping and delivery.

## AGILE TESTING KICKSTART

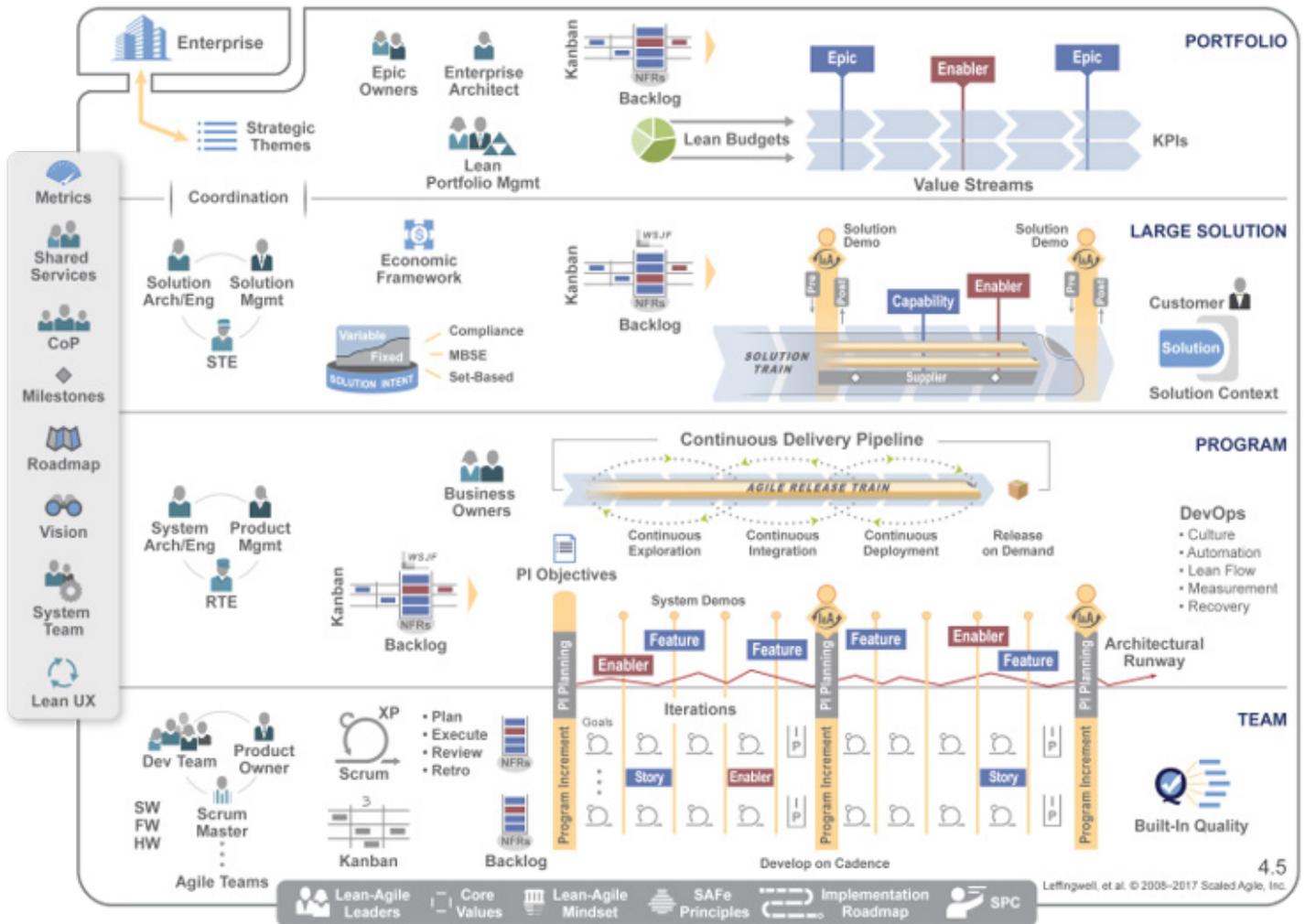


# SAFe CONSULTING

Success in scaling agile is less about a framework and more about the organizational change you need in order to implement within your company. Therefore, leading SAFe alone will not set you up for enterprise-wide agile success. QF4 Technologies has developed a SAFe consulting practice, where we can bring proven strategies and patterns for navigating agile transformation within your enterprise with the aid of SAFe. QF4's SAFe Program Consultants (SPCs) provide assessment and implementation, Executive SAFe Training and Enterprise Coaching.

We can help you:

- Identify the building blocks for agile.
- Understand the impact agile practices have on your organization's culture.
- Identify which traditional management practices do not map well to an agile organization and learn alternative techniques to modernize those.
- Identify organizational change patterns and understand the role of metrics in your agile transformation.



SAFe consulting practice

## STEPS IN SAFE CONSULTING

### Step 1

- Introduction to the Scaled Agile Framework (SAFe).
- Overview of lean software development and product development flow.
- Application of agile development in the enterprise context.
- Experiential walkthrough of scrum and eXtreme Programming (XP).

### Step 2

- Identification, implementation, and execution of agile release trains.
- Agile portfolio management pattern.
- Agile architecture principles, patterns, and roles.
- Scaling agile-savvy leaders.

### Step 3

- Finding a path: an end state vs. a change journey.
- Necessary building blocks in creating an agile transformation.
- Techniques for navigating enterprise agility.
- Establishing your change program.

# DEVELOPMENT

QF4 Technologies is a full-stack agile software development company that can accelerate the development of cloud-ready products and services for clients. We excel in the solutioning of cloud migration or greenfield product development. We work with curated open source technologies to build high performance, secure and scalable cloud applications. When appropriate, our technology accelerators can be leveraged to reduce development costs, and accelerate the time to market, of software products and solutions. We follow Domain-Driven Design (DDD) and Test-Driven Development (TDD) as the standard process in all our engagements.

## OUR DEVELOPMENT PRACTICE

### Open-Source Leverage

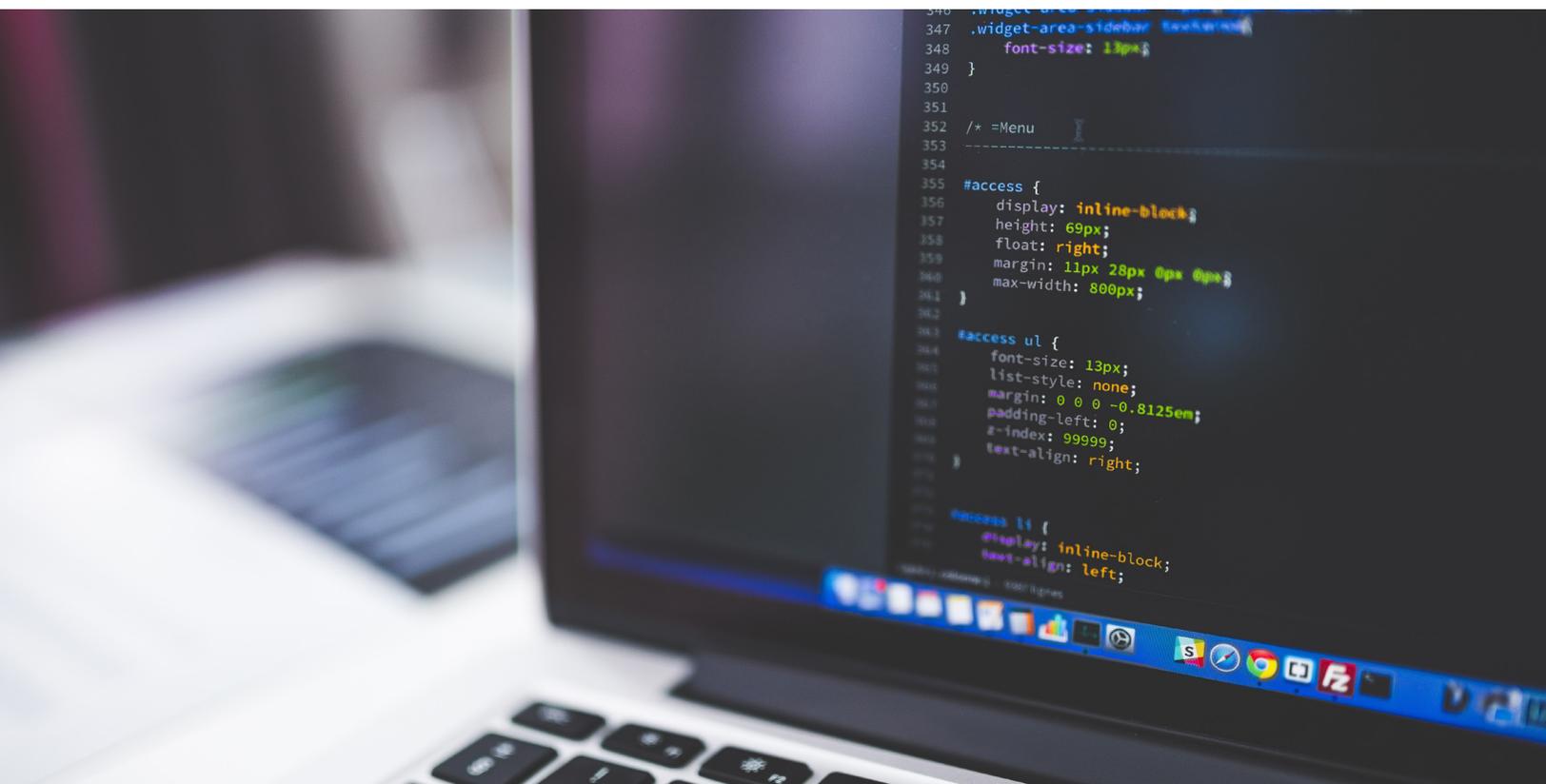
At QF4 Technologies, we are practitioners of open source software development. We have refined our deep understanding of how domain-specific technologies can be deployed as part of the solution puzzle over several years. We boast a deep development bench in Java, JavaScript, TypeScript, Scala, Python, RoR, PHP, C/C++, C#, Swift and Objective-C software.

### Solution Architecture

QF4 Technologies has worked on a number of complex cloud applications in multiple domains. Our solution architects have successfully implemented agile software development, across the product lifecycle, in companies ranging from startups to Fortune 500 enterprises. We leverage our expertise to ensure product success for clients.

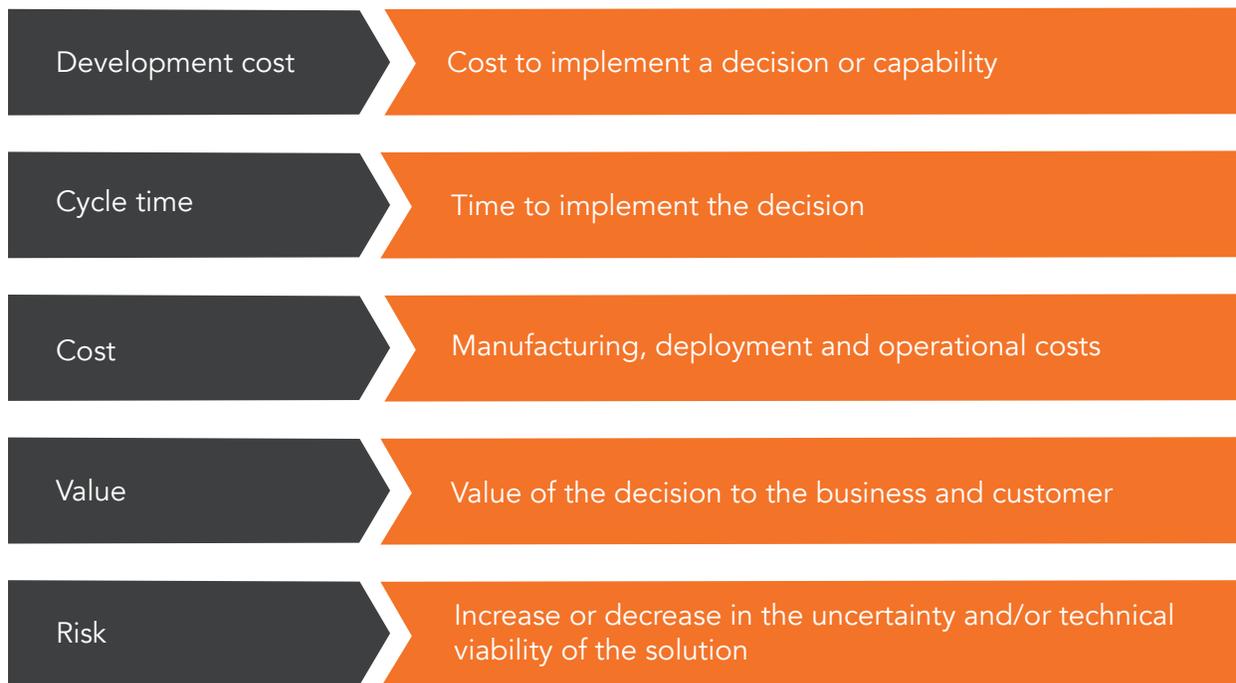
### Domain Expertise

Our extensive domain experience informs our decision making, enabling us to select effective and efficient options for presented challenges. We have built cutting-edge applications for Cloud Infrastructure, Cloud Security, eCommerce, Mobile, FinTech, HealthTech, Social, etc.



# ENTERPRISE AGILE / LEAN ASSESSMENTS

Value Stream Economics is critical when restructuring organizations to being more Lean and Agile. Don Reinertsen gives five elements for an economic framework and the necessity for understanding the relationship between them:



In order to optimize the whole project, it is critical to understand all the steps and associated costs in the flow, from concept to cash. It is a challenge to understand the actual flow of value at the enterprise, which can be addressed only in its specific business context.

QF4 Technologies has this capability; we use proprietary tools to initiate your AgileLean transformation by assessing your enterprise and value flow based on the five elements from the economic framework. The result is a Lean and Agile restructuring of portfolios that support one or many value streams as fit for purpose.

# DETAILED LOOK AT COST OF DELAY

## Business value

- Growth in revenue through more effective sales activities. Supporting customers in their growth cycle, upsell/ cross sell.
- Cross business strategy
- Process simplification - Ease of on boarding of new customers
- Profitable revenue growth
- Cost savings - unit cost, cost to serve, cost to support
- Customer satisfaction - NPS

## Timing criticality

- Political - exec priorities
- System driven - legacy system retirement
- Investment priorities - financial targets, funding availability, early benefits, customer segment growth
- Competitive positioning - barrier to entry of competitors, first to market, being well behind market
- Acquisition integration
- Customer satisfaction - conspicuous pain points
- Peak period sales

## Opportunity enablement/ risk reduction

- Brand enhancement
- Learning about customers
- Simple integration - future flexibility, speed to market
- Customer retention - retention through tighter integration, reduced churn risk
- Ease of use - Scalability, single platform customers
- Safety
- Market - market share, entry, ability to change market, compelling offer to new sub-segment

### Some artifacts that can be delivered as part of our Agile transformation assessment:

- Lean/Agile Transformation Vision & Business Case.
- Questions based on business context to understand flow of value.
- Evaluation of organization's empirical data for current flow of value.
- Propose lean value streams.
- Value streams characterization (e.g. Operations, Development, etc.)
- Financial forecasting and modeling – projected cost savings.
- Propose Strategy to launch Agile Release Trains (ARTs).
- Agile maturity assessment (if appropriate).

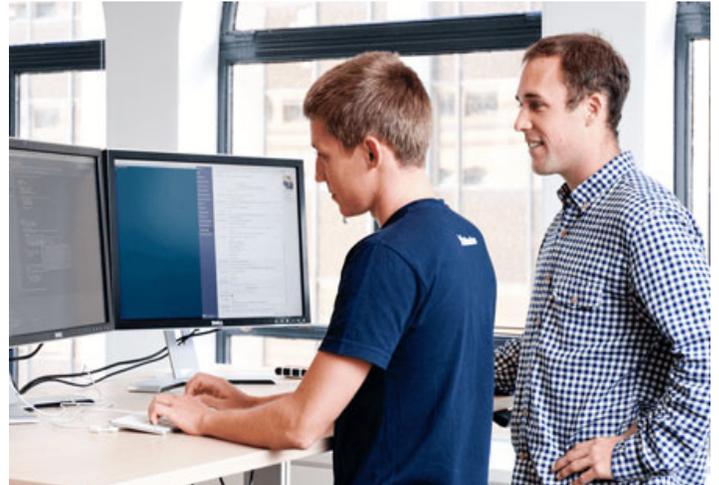
# TRAINING

QF4's mentors bring broad experience to help teams maintain a strategic distance from the pitfalls and march towards a agile triumph. From the ABCs of agile practices to re-engineering the most complex pre-agile processes, our agile coaches collaborate with your teams that need this assistance the most.



## Workflow Coaching

Workflow coaches focus on waste and obstacles in your development flow and work on specific ways to address those. Streamlining agile workflow requires a lot of rework of existing processes and our coaches help your teams tackle those challenges.



## Technical Coaching

Technical coaches focus on specific agile and lean tools and techniques ranging from Continuous Integration to Continuous Deployment. They teach the best practices and evolving landscape of industry's more popular agile tools, like Atlassian and CA Agile.

## TYPES OF COACHES

### Agile Team Coaches

Agile Team Coaches work with individual groups to help them execute and enhance agile practices. Their main focus is to help each team member understand their roles and responsibilities towards a common team goal as well as team level practices.

### Senior Agile Coaches

Senior Agile Coaches bring a broader-level coaching practice where different teams need to work together towards a common organization goal.

### Agile Technical Coaches

Agile Technical Coaches focus on specialized agile tools and techniques for both product developers and project administrators. They help develop necessary ways of working and processes such that all stakeholders in the organization work through consistent tracking, monitoring and metrics.

### Enterprise Agile Coaches

Enterprise Agile Coaches are the most experienced coaches who have transformed and successfully shown ROI for agile practices to the senior executives.



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