AGILE

Provider of
Innovation and
Technology
Services

OUR COMPANY

Cyberbahn Training & Advisory Services offers certified Agile and Blockchain training. We also provide advisory consulting in organization transformation strategy, change management, DevOps, assessments, coaching, and SAFe. Please also use our site as a resource guide for online training videos, glossaries, templates, book recommendations, etc.

At Cyberbahn Training & Advisory Services, we design, build, and operate mission-critical systems and processes to help our clients improve their performance, reduce costs, and increase efficiency. We continuously build enduring relationships with our clients through unmatched services and commitment.

OUR MISSION

CyberBahn's mission is to be an integral part of our client's efforts to achieve their strategic business goals. We adopt proven business processes, Agile methodologies including risk mitigation strategies, user-centric approaches that are fully compliant to foster cost reduction and on-time delivery with seamless integration in every project.

OUR VISION

Exceeding our customer's expectation through CyberBahn's brand value dedicated and experienced CTAS teams, delivering ahead or on time always within budget ensuring success.

In all of our service lines or verticals, we adhere to the strictest project management principles to ensure that projects are delivered on time, on budget, and with high quality results. Many of our professionals have earned either PMP® or SAFe certification.

OUR PHILANTHROPY

CyberBahn donates money and time to non-profits, advocacy, and philanthropic organizations to help build a more sustainable future for everyone. We work with several organizations in the Washington, DC metro area. To join us in becoming involved with non-profits in the Washington DC Metro area, please visit: http://greatnonprofits.org/city/washington/DC

OUR PARTNERS

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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 adaption.

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. CyberBahn 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. CyberBahn aims to transcend your organization into a "learning machine" that continuously learns from the world around it and adapts itself.

Business Agility

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

CONSULTING & ADVISORY

Agile Discovery and Checkup services

CyberBahn 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

CyberBahn 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 empower organizations to pick the best ventures and groups for beginning the agile journey. CyberBahn'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.

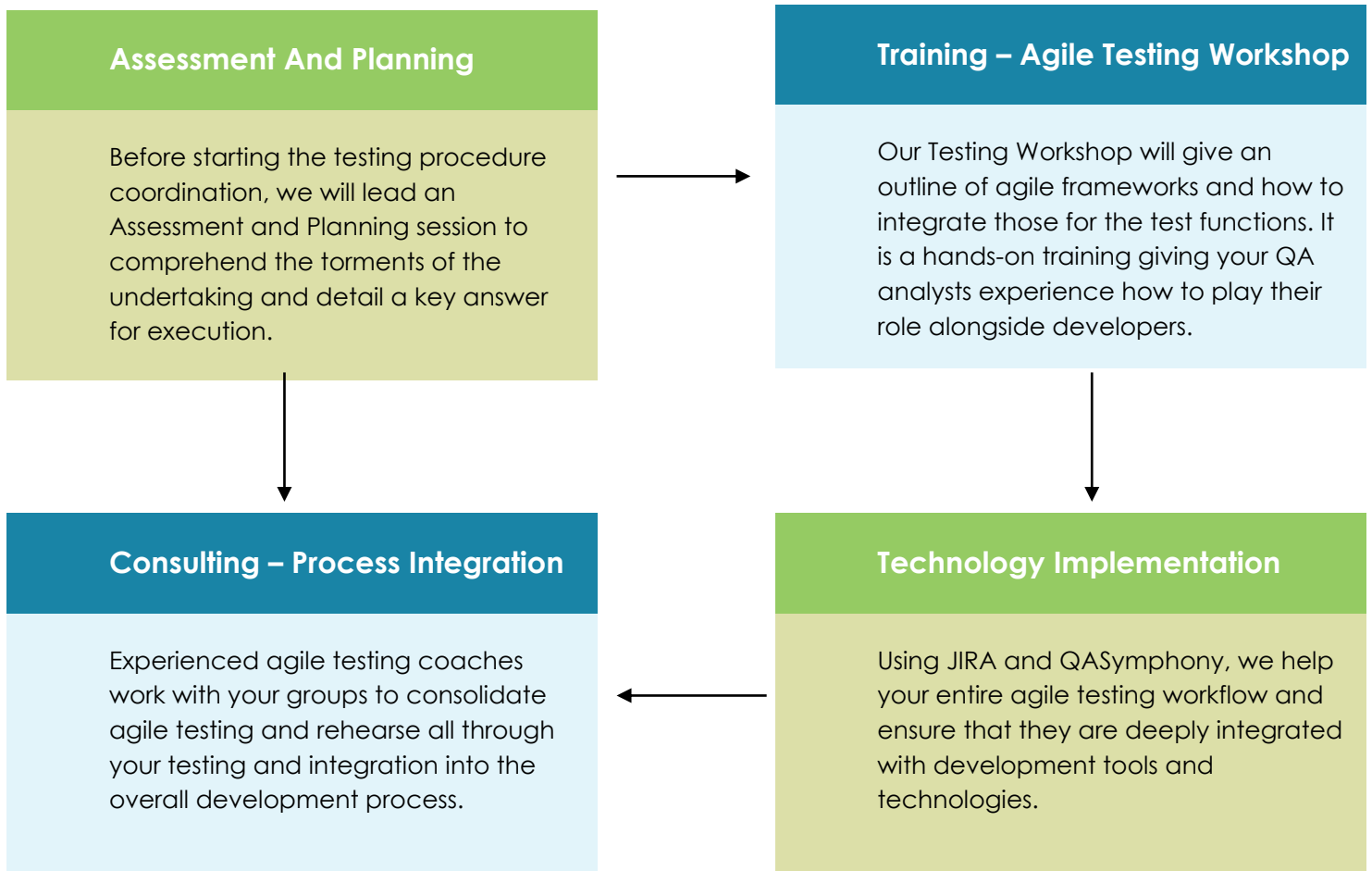Select and deploy enterprise agile frameworks (SAFe, Enterprise Agility Framework, etc.)

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 CyberBahn, bring the expert QA and test professionals for functional, scale / performance, system, regression or production testing. In CyberBahn'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

Assessment And Planning

Before starting the testing procedure coordination, we will lead an Assessment and Planning session to comprehend the torments of the undertaking and detail a key answer for execution.

Training – Agile Testing Workshop

Our Testing Workshop will give an outline of agile frameworks and how to integrate those for the test functions. It is a hands-on training giving your QA analysts experience how to play their role alongside developers.

Consulting – Process Integration

Experienced agile testing coaches work with your groups to consolidate agile testing and rehearse all through your testing and integration into the overall development process.

Technology Implementation

Using JIRA and QASymphony, we help your entire agile testing workflow and ensure that they are deeply integrated with development tools and technologies.
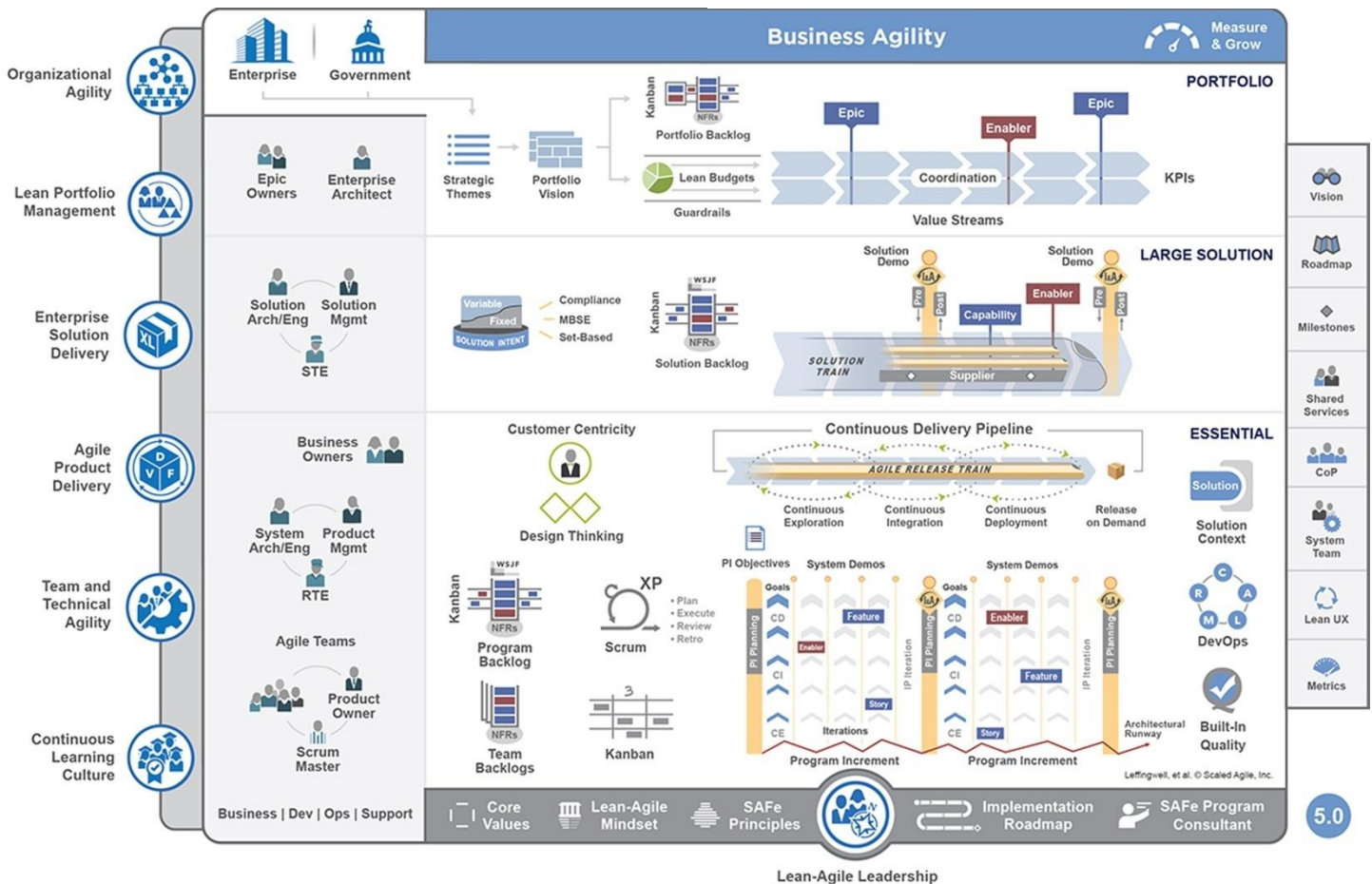
SAFe CONSULTING

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. CyberBahn 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. CyberBahn 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

CyberBahn 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

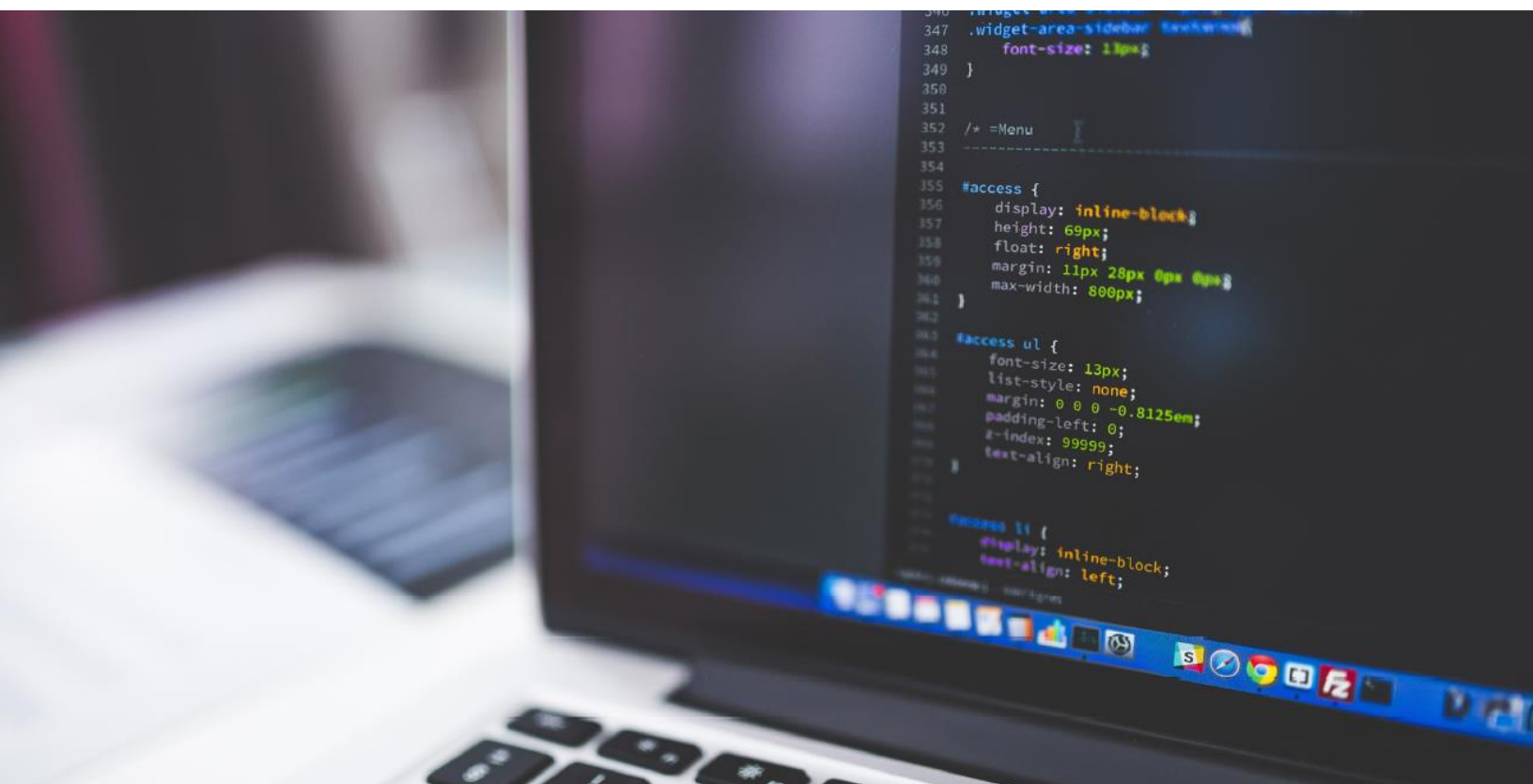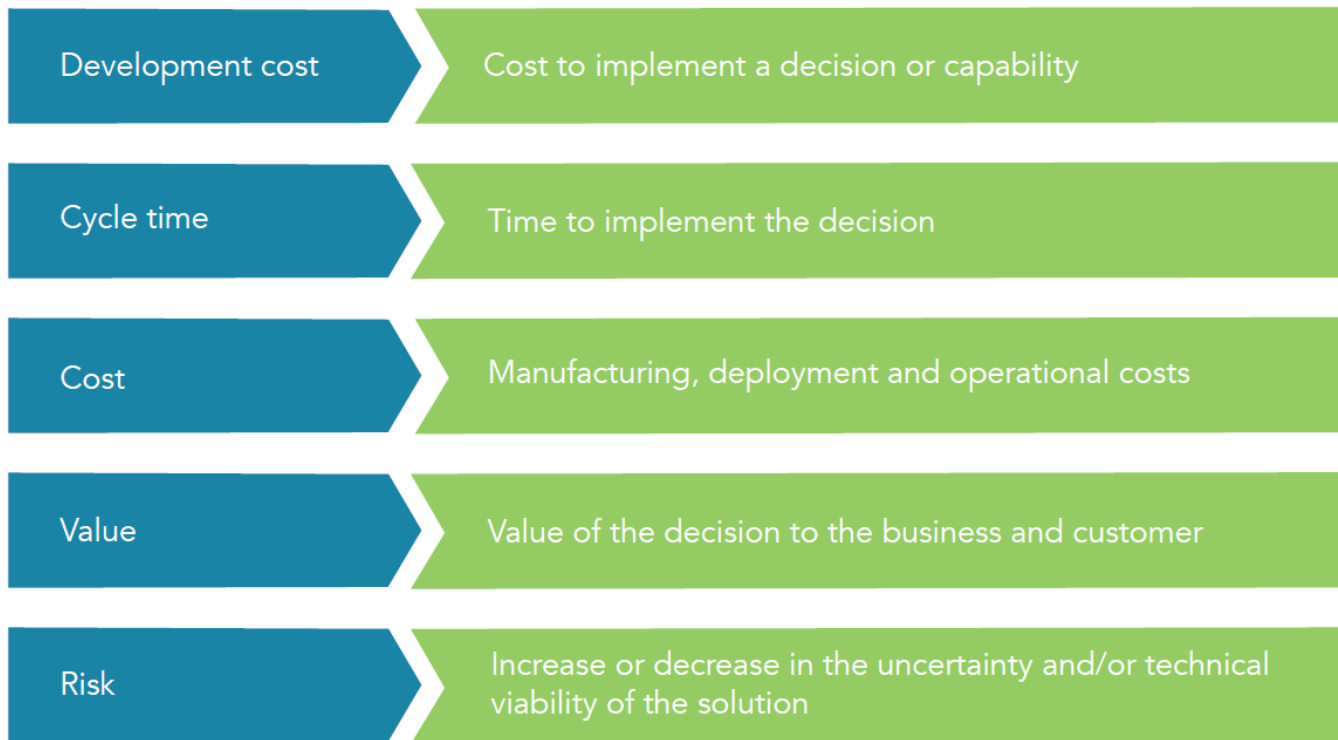| Open-Source Leverage	Solution Architecture	Domain Expertise
At CyberBahn, we are practitioners of open source software development. We have refined our deep understanding of how domain-specific technologies can be deployed as part of the solution puzzle over several years. We boast a deep development bench in Java, JavaScript, Typescript, Scala, Python, RoR, PHP, C/C++, C#, Swift and Objective-C software.	CyberBahn 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.	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, Fin Tech, Health Tech, 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:

Development cost	Cost to implement a decision or capability
Cycle time	Time to implement the decision
Cost	Manufacturing, deployment and operational costs
Value	Value of the decision to the business and customer
Risk	Increase or decrease in the uncertainty and/or technical viability of the solution

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.

CyberBahn has this capability; we use proprietary tools to initiate your Agile|Lean 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).
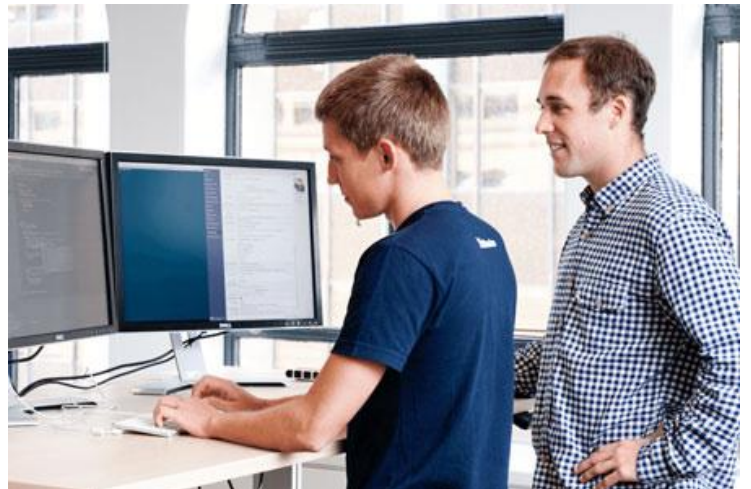- Agile maturity assessment (if appropria

TRAINING

CyberBahn 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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