



## Taking technology experimentation to production success

In today's world of technology enabled business innovation, there is a repeatable methodology that ensures technology innovation drives scalable and enterprise evolution. The ability to successfully build the organization's capability of taking innovative technology experiments into production solutions is key to driving transformative technology evolution within the organization. This capability involves a strategic approach from experimentation and clear understanding of how to set the needed criteria that enables selection of the correct technology and use case. Along with this, a method of taking successful experiments and making them part of the overall enterprise technology solution architecture is key to transforming the technology stack in your company. This may sound trivial but we can discuss many situations where either technology solutions become their own island outside of the company's technology architecture or based on poor selection criteria for judging the experiment, the experiment cannot be integrated within the environment and becomes a technology island that can't be scaled to be part of the organization's technology architecture.



### Technology Experimentation

Technology experimentation is key to enabling digital growth within an organization. To succeed you need to:

#### **1. Build a culture of experimentation**

The % of experiments that will turn out successful is going to be a small fraction of the total. With that being said, the culture needs to accept failure in experiments as success. People must feel safe asking questions and questioning the results. Sometimes the results of an experiment may not be what you were expecting but having that be ok within the company is key to success.

#### **2. Idea Solicitation**

To be successful, idea generation needs to come from both internal and external sources. This provides you with an approach that takes into consideration what's important internally while providing multiple industry and technology segments from the outside to ensure a holistic view. Also, the approach in terms of assessment, needs to be data-driven with the requirement to assess ideas with a thorough set of metrics to ensure the correct decision and investment in the right experiments.

#### **2. Define what success looks like as a team**

As experiments help you if a technology capability is good enough to extend to a pilot and then potentially to production release. To do this in a quick yet thorough and efficient manner, you need to define what "good enough" is. This needs to include a cross-functional team to ensure enterprise buy-in. A good experiment requires well-defined and agreed-upon goals and metrics defined by all stakeholders. Make sure you ask yourselves, "What does success look like?"

### Experiment to Enterprise Architecture

To be able to take an experiment to production as part of the enterprise technology stack, you need to:

#### **1. Ensure Scalability**

The process for preparation for production deployment needs to include:

- ◆ Environment Preparation—Sizing to ensure performance at scale
- ◆ Change Management & Revision Control—Manage the evolution from MVP to including new functionality
- ◆ DevOps capabilities to ensure fast reliable deployments

#### **2. Enterprise Architecture**

The need to incorporate technology innovation within the enterprise architecture needs to ensure:

- ◆ Inclusion in technology planning and capability mapping
- ◆ Incorporation of the needed APIs required to integrate the new technology efficiently with other systems

If you'd like to discuss developing this methodology in your organization. Give us a call!

**Next Month: How a process first approach drives technology success**