



Agile Innovation Management as a Service

The challenges we face today, and the ones we will be facing in the coming months and years, are due to the exponential pace of technological change that is rapidly transforming our societies, competitive landscapes and defense posture. It is easy for people to observe that change is coming; what is often misinterpreted is the velocity at which it arrives. Concurrent to the pace of change is the mounting evidence that our adversaries have increased both their rate of creation and adoption of innovative technologies, which brings heightened risk to sustaining our warfighting superiority. To effectively combat this risk, DoD agencies and combatant commands must make the choice between luck and innovation. They must either have an intentional focus, robust innovation process and an enabled culture that delivers results, or they must hope that their people luck into good ideas on behalf of the warfighter. Those are the only two options.

If the goal for DoD is merely Warfighter Superiority, it will be a constant battle to maintain the margin of advantage as the adversary is also innovating. If the goal is Warfighter Supremacy, individual pockets of innovation in various DoD agencies are not the most effective approach. To effect warfighter supremacy, DoD would need a more coordinated, standardized approach on a broader scale that integrates innovation strategy, portfolio, process, culture, and infrastructure.

To ensure peak innovation efficiency, the DoD, its agencies and combatant commands will need to use Internationally-recognized best practices, endorsed by the International Association of Innovation Professionals (IAOIP - www.iaoip.org) - the largest certifying body of innovation professionals in the world and the organization that is helping ISO to bring global Innovation Management standards to the USA.

DoD will need companies like ICS, which has been at the forefront of helping both DoD agencies and fellow DoD contractors increase their innovation posture and capabilities in support of the Warfighter.

As a veteran-owned small business focused on innovation, ICS has the agility to help DoD shape the pace of change to their advantage through the implementation of the holistic "*Agile Innovation Master Plan*" - a framework created by the world-renowned author and innovation thought-leader Langdon Morris of InnovationLabs. The Agile Innovation Master Plan was designed to provide a comprehensive yet extremely agile approach to managing the 5 key tracks of effective innovation programs: innovation strategy, portfolio, process, culture, and infrastructure.

As a strategic partner to InnovationLabs and the IAOIP, ICS brings the DoD both capabilities and reach typically associated with large enterprises:

- Six IAOIP-Certified Innovation Managers (Champions) that oversee both our innovation program, and work in conjunction with customer PMOs to guide innovation projects aligned to the strategic objectives of our customers
- A culture trained from both the top-down and across the organization in IAOIP best practices

- An advanced, repeatable innovation process for use with our customers, based on the Agile Innovation Master Plan, with advanced analytics, knowledge management integration, a customer-accessible but segmented ideation portal, and industry-unique capabilities:
 - Functional Value of Innovation (FVOI) prototype evaluations to ensure intelligent fast failures
 - Unique rapid portfolio-pivoting capability to dynamically reprioritize the portfolio of ideas and projects when strategic objectives or their weightings change; created by our Chief Software Engineer, Dr. Benjamin Willett
- A finalist for the Washington Technology Industry Innovators Award (2017)
- A Chief Digital Officer, with 34 years of experience running innovation teams and effecting digital transformation for DoD and Fortune 100 firms
 - Will be IAOP's first Certified Chief Innovation Officer (CCIO)
 - Runs IAOP Innovation Certification Training workshops with Langdon Morris of InnovationLabs
 - Author of *"Implementing the Agile Innovation Master Plan"*, and author of *"Innovation in Action"* in Harold Kerzner's upcoming book, *"Innovation Project Management"*
 - Frequently requested speaker on innovation and advanced technology (AFCEA, AFITC, Innova-con)
 - Member of the IAOP Innovation Measurement Working Group
 - Innovation Council Co-Chair, with Langdon Morris of InnovationLabs, as members of the RedTeam Engineering Joint Venture (www.redteamengineering.com)

Examples of ICS World-class innovation capabilities and DoD benefits:

- **Innovation Achievements DISA Forge.mil Omnibus Contract:**
 - Decreased deployment time of features to production from quarterly to bi-weekly (an increase in velocity of 500%)
 - To save the Government over \$1M per year, we implemented innovative approach to migrating Forge.mil environments: Development migrated to AWS East/West and Pre-Production to AWS GovCloud, and Production from DISA capacity services to milCloud+. Total savings of over \$3M since inception.
 - Innovative approach to DIACAP to RMF transitions – accomplished in a mere 90 days whereas other programs take 6 to 18 months on average, setting a DISA standard and showing the world it can be done
 - Reduced deployment times of Forge.mil environments from approximately one week at contract turnover to under 30 minutes (a 99.7% decrease)
- **Innovation Achievements DISA DECC-M Contract:**
 - Developed Technical Advisory Board (TAB) providing an additional \$1,022.108 in value to DISA Montgomery at zero additional cost to government: Focus on Training, System Engineering, Disaster Recovery C2, Cybersecurity
 - Developed Technical Interchange Meeting (TIM) construct which saved 400 man-hours during RedHat version upgrades, increased success rate from 87% to 100% and decreased time to complete from nearly 6 months to 2 weekends
 - Re-engineered MilCloud provisioning process from a multiple step, multiple--office process, that took a week to build a customer environment to a direct interaction with a technical team that took 4 hours (92% reduction in time from request to environment established) with no impact on DISA mandated governance

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