

The world is undergoing a quiet revolution. COVID19 is only the latest proof that Nassim Taleb's Black Swans are far from abstract notions. With each new systemic event the collective mindset is moving away from Newton's clockwork world and into W. Brian Arthur's messy ebb and flow of innovation. Our highly networked world has become emergent. The same forces at play in systemic failures are also responsible for the constant re-invention of Silicon Valley which leads the global economy forward. **Complexity** is the unifying phenomenon across our collective modern experience, and it affords both risks and opportunity.

For over a decade we have applied a complexity mindset to support the **transformation of the public sector** as well as **accelerate private sector growth**. Our success is grounded in **complexity thinking** which transcends the latest technological buzzwords and enterprise concepts and extends to the world's foundational questions. Correspondingly, we have consistently been hired to frame and solve "no precedent problems" – those problems for which there are no established practices.

We are conversant in the latest practices and technological buzzwords: design thinking, rapid development, agile practices, computational complexity, artificial intelligence, resilience engineering. Our key differentiator is not only our extensive core knowledge, but also the experience in framing of this knowledge in more fundamental terms. By linking all these otherwise common notions to complexity principles, we were able to derive counter-intuitive insights. We packaged these insights into best of class services and proprietary solutions which have leap-frogged multinational competitors and delighted our customers. It is why Avansys is currently entrusted to lead paradigm shift engagements:

- Aligning U.S. Government acquisition practices to rapid development practices;
- Upgrading systems engineering practices to better leverage agile software development;
- Applying unique business model scaling archetypes to drive accelerated business growth;
- Framing the limits of Artificial Intelligence applications for aviation applications;

Our **public sector expertise** is centered on program management and technical assistance. We act in oversight roles for large government contracts that involve complex technology development. We have had direct involvement in the entire program life cycle, spanning investment analysis to post-deployment.

Our **private sector proficiency** is focused on scalable – i.e. faster than incremental – growth. We have developed our own proprietary toolset for re-designing the business model architecture for scalable growth. This involves areas as diverse as product development and venture capital sourcing.



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Our principals are former corporate and public sector executives who were also serial entrepreneurs. They are also patented innovators and thinkers. Through them Avansys maintains contact with an expansive network of global thought leaders spanning computational science, economics and business, investment banking, system-theoretic practices, global affairs.

We are much more than analysts with MBAs and don't shy away from risk-sharing, skin in the game type engagements. We don't limit our imagination and we never stop questioning "obvious assumptions". Consequently, our thought leadership spans a wide array of topics: artificial intelligence and automation, economics, aviation and defense, product innovation and business strategy, and has been recognized in the Harvard Business Review, the Global Peter Drucker Forum (Austria) and by the Air Traffic Control Association.

We look forward to tackling your "no precedent problems" or simply providing outstanding outcomes based on best of class services.

Liviu Nedelescu, Managing Partner and CEO, August 2020



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