

Avansys provides program management, technical management and systems engineering, as well as advanced product development support to the FAA. Our capabilities in these individual areas seamlessly integrate around solutions that enable innovation and transformation.

Avansys is at the forefront of FAA modernization efforts. Since early 2021, we have supported the PMO efforts to adopt rapid development and deployment (RDD). On the VADER program, Avansys has supported product development activities in the solutions architecture and product design space. We have also led the definition of leaner acquisition governance artifacts in the areas of enterprise architecture, test, and investment analysis. Over the past year, Avansys has also introduced and promoted machine learning-based tools for automated software sizing and costing. Together, these contributions shift the FAA on the Agile transformation scale as it looks to shorten the life cycle to fielding systems to operations. This is aligned with the transformation goals that are shared by AIT.

Avansys principals have contributed thought leadership to the air traffic and aviation space for over 9 years. Our company's article "A Conceptual Framework for Machine Autonomy" describing artificial intelligence applications to autonomous flight was awarded the 2017 Journal of Air Traffic Control article of the year. Our latest article, "Lean Acquisitions: Shifting the Oversight Mindset to Accelerate Innovation Deployment" highlights the need for leaner acquisitions practices in the context of "as-a-service" technology stack (including Cloud migration) and rapid software development and deployment trends.

Avansys also supports commercial customers. Over the past two years we have consulted on the development of a remote video conference and collaboration app currently in development. We advised on the feature set, the product roadmap, the go-to-market strategy, as well as defined the value proposition for and facilitated the out-reach to venture investors.

