

SUCCESS STORY:

Pushing tactical mobility

Designing vehicles for extreme conditions

CLIENT HIGHLIGHT



For more than 30 years, Flyer Defense has been at the forefront of designing, manufacturing, and maintaining the most versatile all-terrain wheeled platform in the world.

Trusted by U.S. special operations forces and global allies, Flyer Defense engineers for the most demanding environments on earth with a platform that delivers extreme mobility, versatility, and survivability where it matters most.

AT A GLANCE



The challenge

- Operating in rugged terrain strains both personnel and vehicles
- Vehicles needed redesign for extreme mobility and crew survivability



The solution

- Siemens NX
- Siemens Teamcenter PLM
- Top tier support from Applied CAX experts



The impact

- Vehicles adapt quickly to changing battlefield conditions
- Centralized product data reduces program risk and complexity



The challenge

Operating in rugged terrain

For over 30 years, Flyer Defense has developed some of the world's most versatile all-terrain wheeled platforms. Operating in rugged environments places extreme strain on both personnel and equipment.

To meet mission demands, Flyer Defense needed to reimagine its vehicles to deliver maximum mobility, versatility, and crew survivability in the harshest conditions.

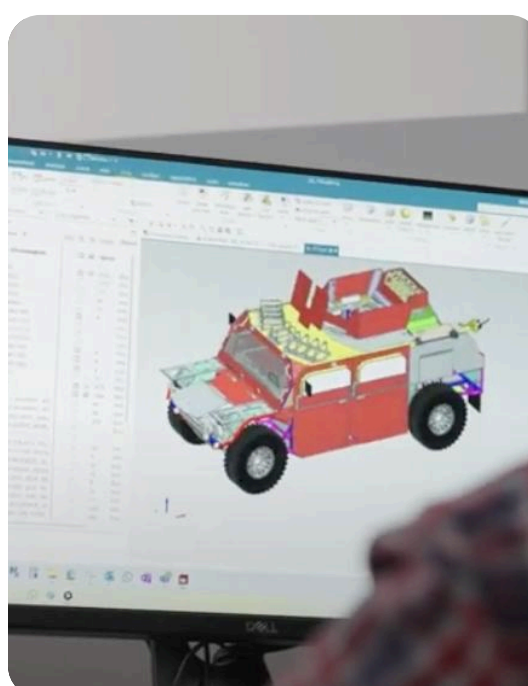


The solution

Innovation with Siemens Xcelerator

Using Siemens Xcelerator, all vehicles are design in NX and managed in Teamcenter. This provides a single source of truth for product data and streamlined manufacturing. This approach allows Flyer Defense to reduce risk from system complexity, obsolescence, and environmental factors.

Partnering with Applied CAX, the company optimized its NX and Teamcenter setup and developed a roadmap to fully leverage the software's capabilities. This collaboration made advanced CAD and PLM tools more accessible and helped Flyer Defense maximize efficiency and flexibility across its development programs.



The impact

Enhanced tactical performance

By integrating advanced digital tools with modular design expertise, Flyer Defense continues to modernizes its platforms and push the limits of tactical mobility.

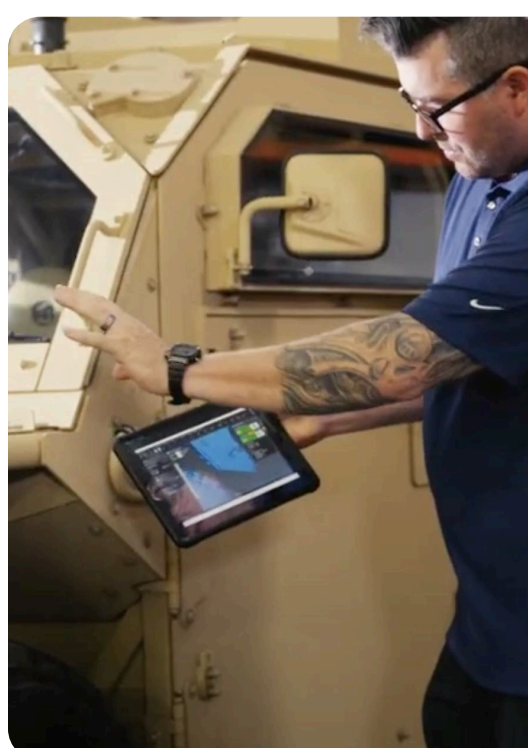
The approach enables faster adaptation to changing battlefield requirements, reduces program risks, and ensures vehicles remain reliable in the most demanding operational environments.

Today, Flyer Defense remains committed to pushing boundaries of vehicle performance, mobility, and crew survivability.

Vehicles adapt quickly to changing battlefield requirements.

Program risks are reduced through centralized product data and streamlined development.

Modular design and advanced software tools ensure reliability and survivability in the harshest environments.



TESTIMONIALS

Software that evolves with you



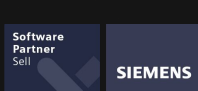
As the battlefield continues to evolve, so do we. We have always been, and continue to be, steadfast in our mission to modernize our platforms and push the boundaries of what's possible."



Robert Rice
Director of Business Development

At Applied CAX, we use Teamcenter, NX, Simcenter Femap, STAR-CCM+, and other Siemens digital engineering tools in our work every day.

Recognized by Siemens as North American Partner of the Year in 2023, 2020, and 2016, we have decades of experience with PLM and NX, and our Femap and CAE experts are renowned for being the best available. Our team is ready to support you, from general digital transformation strategy to specific tactical needs like creating custom post-processors and simulation kits.



It's time to unleash your potential

Contact us and let us know what we can do for you. Visit our website at AppliedCAX.com for more information.