



SUCCESS STORY:

Streamlining aerospace design

An NX CAD journey

CLIENT HIGHLIGHT



AeroTEC develops, tests, and certifies next-generation aircraft and aerospace systems, including hybrid/electric, hydrogen technology, supersonic, and eVTOL designs. It utilizes integrated capabilities to help clients bring products to market quickly and efficiently.

Headquartered in Seattle, Washington, AeroTEC also operates two other campuses: the AeroTEC Flight Test Center in Moses Lake, Washington, and an Engineering Center in Wichita, Kansas.

AT A GLANCE



The challenge

- Use of two CAD systems creating division among designers
- Changing aerospace landscape that drives adoption of modern tools and digital strategies



The solution

- Siemens NX CAD
- Top tier migration support from Applied CAX experts



The impact

- A single CAD platform to simplify the design workflow
- Integration with other Siemens software



The challenge

Segregated design systems

The aerospace industry is constantly advancing, and as a forward-thinking leader, AeroTEC recognized the need to streamline its design tools to keep pace with innovation and efficiency demands.

For years, AeroTEC operated with two CAD systems—NX and CATIA. Designers were divided into platform-specific groups, which make it difficult to share work and maintain consistency.

This dual-system approach required frequent file conversions and added complexity to the development process by hindering speed and integration with AeroTEC’s broader digital engineering ecosystem.



The solution

Embracing digital transformation

To address the inefficiencies of a split CAD environment, AeroTEC made the strategic decision to fully adopt Siemens NX as its unified design platform.

This full adoption of NX allowed AeroTEC to make significant investments in standardizing its processes, policies, and templates while also enhancing the overall rigor of the design process.

Thanks to expert training from Applied CAX, long-time users of other CAD tools quickly adapted. This confirmed that the transition was not only seamless but also a transformative step forward for AeroTEC’s engineering operations.



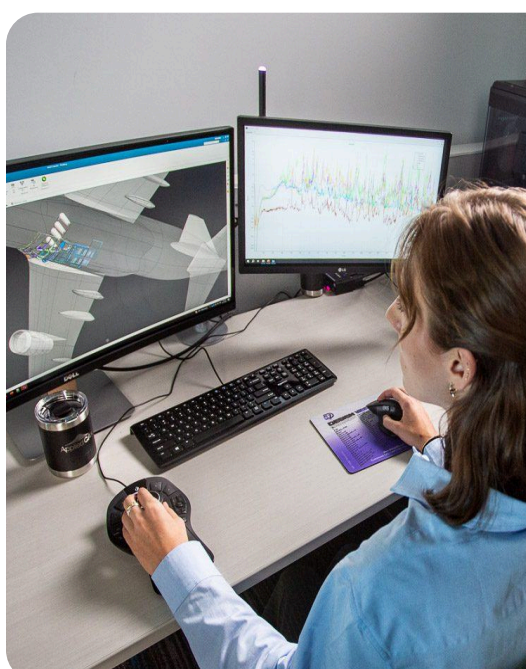
The impact

The power of full integration

AeroTEC’s complete transition from CATIA to NX allowed it to have a single CAD platform to simplify the design process and enhance communication among employees.

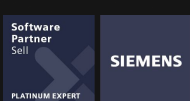
This shift also enabled full integration between AeroTEC’s CAD system and its other business software such as Siemens Teamcenter and Siemens Simcenter.

- AeroTEC can now keep data in its native format, saving time by eliminating the need to translate and transform it into different formats during product development.
- Standardized workflows and design practices have improved collaboration across teams, which reduces errors and accelerates innovation.
- AeroTEC gained top-tier support from Applied CAX experts while it was managing the transition from CATIA to NX.



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.