



Novus Nexus

Simulate better with us

CAE Services: From Performing Simulations to Automating CAE Workflows

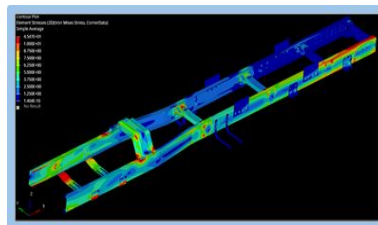
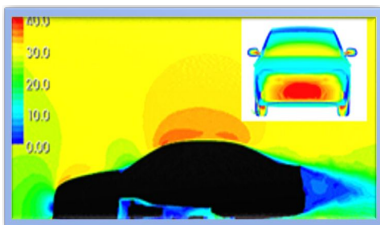
Whether you need a dependable partner for your CAE tasks, temporary access to additional CAE resources, or an efficient way to automate and customize your simulation processes, contact the Novus Nexus services team and discover what we can do for you.

Our experienced CAE and CAD specialists are ready to meet the most complex and challenging projects in both structural and fluid analyses, FEA and CFD.

Whenever possible, our services take advantage of our flagship product, CAENexus. This approach not only drastically reduces cost and turnaround time for follow up simulations, but it's automated process also guarantees that results are always comparable.

Our solutions and services help customers to create and optimize designs using efficient, robust and dependable simulation processes including easy ways to democratize simulation.

Anything of interest? Please contact us! We'll be happy to cooperate with you and find a solution for your requirements.



Our Strengths = Your Benefits

- ✓ **Broad Industry Experience:** Automotive, equipment and machinery, energy, aerospace, chemical and process, and more
- ✓ **Multiple Software Capability:** Simulation & automation using commercial & open source solvers
- ✓ **Fast, reliable & repeatable Simulations:** Robust CAENexus automated processes linking CAD and CAE worlds, propagating changes as design evolves
- ✓ **Always comparable results:** Independent of who or when
- ✓ **Fastest Turnaround:** Automated workflows reduce time and effort for multiple design evaluations
- ✓ **Improved Quality:** Automated best practices provide accurate and consistent results
- ✓ **Democratization:** Once customized, automated workflows can be used by designers to start dependable simulations as soon as CAD variants become available

Need assistance to resolve your simulation challenges?

Email info@novusnexus.com now to discuss further | Visit: www.novusnexus.com



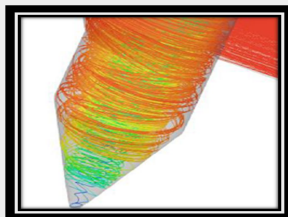
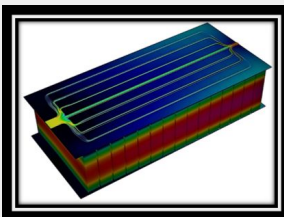
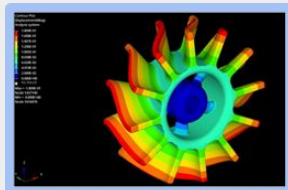
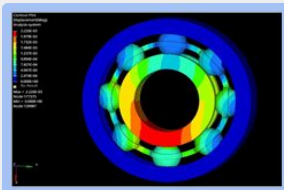
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CFD + FEA Services

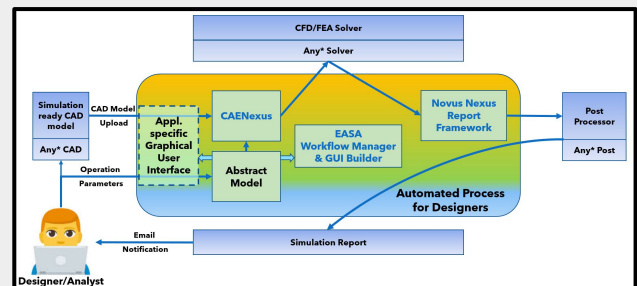
We have extensive experience in performing flow, thermal and structural simulations using both commercial and open source CFD and FEA solvers for a wide range of engineering products. Our team has performed complex FEA and CFD analysis involving linear, non-linear, modal, transient, rotating flows, porous media, multiphase, non-Newtonian fluids, combustion, species transport, evaporation and others as per our customers' requirements.



Automation Services

Our simulation specialists validate the simulation approach, develop best practices and customize your application with a user-friendly interface. We utilize CAENexus to implement robust pre-processing automation for complex and significantly varying real-world geometries. Pairing this approach with low-code tools for workflow management, GUI building, and report generation provides a powerful automation strategy suited to your specific needs.

Automated end-to-end workflows increase an analyst's efficiency for pre-processing and democratize simulations, giving designers access to virtual test results whenever they need it.



Novus Nexus is committed to make "us", our ecosystem of customers, partners, and employees, successful. We'd love to learn about your specific CAE requirements and the chance to demonstrate our value together.

Notable Clients



Fortune 500 listed
Agricultural, Forestry, and
Construction OEM



Fortune 500 listed
Home and Kitchen
Appliance OEM



Asia's 200 Best Over a Billion listed
Air Control OEM and Tier 1
Automotive Supplier

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