

Challenge 1: Information Fidelity

1

Design and release engineers lack CAE tools. Analysts spend hours creating 2D PowerPoint reports to share simulation insights. This results in low-fidelity reports with reduced information.

Challenge 2: Decision Speed & Quality

2

This low-fidelity information reduces the quality and speed of design and engineering decision-making.

Challenge 3: Collaboration & Automation

3

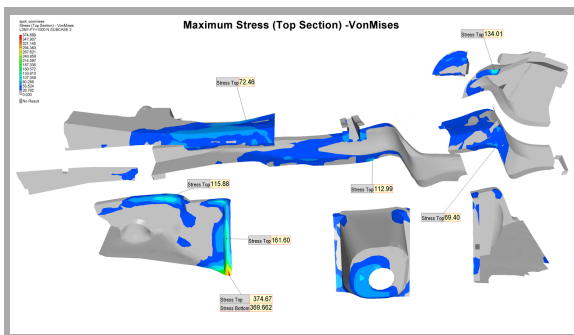
Simulation insights can't be easily shared across teams, locations, or with your global OEMs and suppliers.

Simulation analysts waste hours — sometimes days — creating and updating simulation results reports.

A Better Approach:

With VCollab, design teams can explore actionable simulation results in 3D, making comparisons and annotations.

Analysts can create, update and share results in minutes.



VCollab Solves the Challenges

VCollab merges information from multiple CAE and CAD files into a single 3D, vendor-neutral, and compact format for analysis and collaboration.

This high-fidelity simulation information can be easily shared with designers and global teams to speed and improve decision-making and collaboration.

Design and manufacturing engineers, including OEMs and suppliers, can access, review, and collaborate on these **Actionable Simulation Insights**.

Analysts are freed from time-consuming report creation. And VCollab's Actionable Simulation Insights can be accessed from an html browser on any device.

“ We recovered our investment in VCollab in just a few months. ”

Tier 1 Global Automotive Supplier

Key VCollab Features:

- **Automation:** Create or edit simulation reports in minutes rather than hours.
- **MultiPhysics:** Merge multiple simulation results.
- **HotSpots:** Highlight critical simulation results.
- **3D ViewPoints:** Provide interactive, 3D views of simulation results.
- **SmartCompare:** Highlight differences across multiple simulation results.
- **Annotations:** Display critical result details and document design decisions in the context of full 3D models.
- **Collaboration:** Share VCollab simulation results via html browsers, providing access to information while protecting company IP.

The VCollab Product Suite

VCollab Pro

Merge CAE & CAD files for context, identify insights, annotate, and share for collaboration.

VCollab Presenter

Explore merged simulation insights in depth, review annotations, collaborate with global engineers.

VCollab WEB

Review actionable simulation insights via any browser.

VCollab Smart Extraction Tools

VMoveCAE

Extract information from CAE, CAD, and in-house tools, enabling creation of actionable simulation insights.

VMoveCAD

CAX Writer API

CAX: The Powerful Format that Enables VCollab



CAX is a vendor-neutral compact format for analysis, collaboration, and long-term storage.

It **merges** disparate CAE results and CAD geometry, **augments** CAE and CAD data with simulation insights including HotSpots and Annotations, and stores in compact files.

- Enables Actionable Simulation insights.
- Reduces the need for expensive CAE licenses.
- Eliminates the need for multiple CAE post-processors.
- Reduces the number of software vendors to be managed.

Visual Collaboration Technologies, Inc.

More than 100 customers, including:

Automotive: Brose, Brembo, DENSO, FAW-Volkswagen, FIAT Chrysler, General Motors, GKN Driveline, Honda, Keihin, Mazda Motors, Mitsubishi Motors, NISSAN, NextEV, NOK, Scania and many more

Aerospace: Airbus, AvioAero, Boeing, Embraer, Leonardo, Thales

High Tech: Applied Materials, ASML, Medtronic, Olympus, Ricoh

Industrial: Danieli, Hyster-Yale, Siemens, Tetra Pak

Consumer Goods: Coca-Cola

Key CAE Vendor Partnerships including:

- ANSYS
- Dassault Systemes (Simulia)
- MSC Software
- Siemens Digital Industries Software

Member, NAFEMS SPDM Working Group

VCOLLAB

Visual Collaboration Technologies Inc.

We help manufacturers of complex products fully leverage their use of CAE tools for simulation analysis.

Increase efficiency, improve design collaboration, and build better products.

Contact us to learn more:



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