

VCOLLAB

VISUAL COLLABORATION TECHNOLOGIES INC.

Simulation-Driven Decision-Making

From product planning through manufacturing, 3D lifecycle data is fueling today's accelerated product development processes. Products are designed, reviewed, shared, released, evaluated, tested, and printed – all in 3D. Yet for many, the crucial process of understanding and reporting simulation results is reliant on tools that are decades-old and not designed for today's digital environment.

Consequently, critical decisions are being made based on 2D, static simulation reports. This results in:

- Low-fidelity reports that lack the detail to support key product decision-making
- Inability to clearly communicate and share simulation insights with stakeholders throughout the organization and extended enterprise
- As much as 30% of the CAE analysts time manually creating and updating simulation reports often comprised of 2D static images.

KEY 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 design configuration 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.

SOLUTIONS FOR A DIGITAL WORLD

With VCollab, the model is the report! Leveraging digital 3D data transforms and streamlines simulation post processing and reporting across the extended enterprise including global OEMs and suppliers.

With on-demand access from any web-enable device:

- Design teams can explore simulation results making comparisons and annotations
- Analysts can create, update, and share results in minutes
- CAE Managers, Analysts, Designers, Release Engineers, and other stakeholders can collaborate freely and in real-time
- Non-value-added manual tasks, bottlenecks, and delays are reduced or eliminated

PRODUCT SUITE

VCollab Pro

LEARN MORE

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

VCollab Presenter

LEARN MORE

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

VCollab WEB

LEARN MORE

Review actionable simulation insights via any browser.

CAX: OUR POWERFUL FORMAT

CAX is a vendor-neutral compact format for analysis, collaboration, and long-term archiving of data. It merges disparate CAE results and CAD geometry, augments CAE and CAD data with simulation insights including HotSpots and Annotations, and stores in files that are 80-95% smaller than CAE results models.

- 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.

“VCollab has more than lived up to our expectations for making it faster and easier to create simulation reports. Instead of spending additional time producing slide decks of static 2D results for our customers, VCollab lets us quickly and easily create 3D results which they can pan, zoom, rotate, and animate to understand the simulation more completely and thoroughly. This has led to better and faster design decision-making.”

Knowledge-based Engineering Manager
GKN Automotive

TRANSFORMING THE SIMULATION PROCESS

TODAY	Manual Processes	Post Processing plus Report Creation	2D PowerPoints	Multiple Post Processing Formats	Large Simulation Files
CHALLENGE	Risk of Missing Critical Information	Time and Resource Consuming	Lack of Results for Clear Decisions	Inability to Present Multi-Physics	Inability to Present Multi-Physics
VCOLLAB	Automation	Single Post and Reporting Process	3D Digital CAE Report	Unified Post Processor Results	80-95% Reduction in CAE file size
VALUE	Risk Avoidance	Analyst and Organizational Efficiency	Clear, Interactive 3D Model is the report	Multi-Physics Results in a Single Report	Global Collaboration and Results Retention

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