REVOLUTION™ in Simulation

News & Updates

March | 2024

Cutting Edge Simulation

Rev-Sim is the industry's vendor-agnostic information source for cutting-edge engineering simulation. On this free online community, you'll have access to information and reference materials to help plan, implement, and maximize your next-generation simulation usage and investment.

Learn more at **rev-sim.org**

Coming Soon!

Rev-Sim is working with CIMdata and several industry experts and software solution providers to bring you a year-long series of events, interviews, webinars, and educational content on the exciting new "*AI/ML/Deep Learning in Simulation*" topic. Stay tuned!

Click here for a preview of related content already available on the community site.

Check it Out!

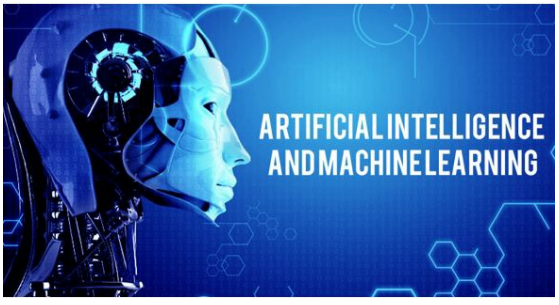
Case Study
Club Car wins with Creo Simulation Live

Featured Article
What will Digital Twins Look Like in 5 Years?

On-Demand Webinar
The Use of Machine Learning in Future Transport Safety Applications

Paper
Operating Deflection Shapes from Strain Measurement Data

Did You Know?
Rev-Sim now has an area dedicated



Did you miss it?

Roundtable Discussion: "AI in Simulation"

Watch this on-demand webinar here!

to **Simulation & Testing**? Check it out and see what's new!

CIMdata Simulation - Analytics - AI - ML Survey

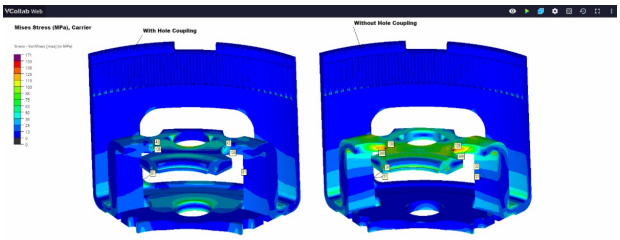
To help CIMdata and the PLM Economy better understand the challenges and opportunities afforded by confluence of simulation, analytics and AI/ML technologies, CIMdata is asking industrial practitioners to share their knowledge and experience through this survey.

Only summary statistics and charts of your responses will be published by the CIMdata team. Respondents can request a summary report by providing contact information at the end of the survey.

take the survey!

Case Study: Amsted Automotive

Leading automotive supplier further boosting CAE efficiency while gaining faster, more informed design decisions.



With VCollab, Amsted Automotive is further boosting CAE efficiency while gaining faster, more informed design decisions. Prior to VCollab, days were required to report the results of a CAE study; interpretation of these results can now begin in hours.

read more

Modeling Next-Gen Wind Turbines

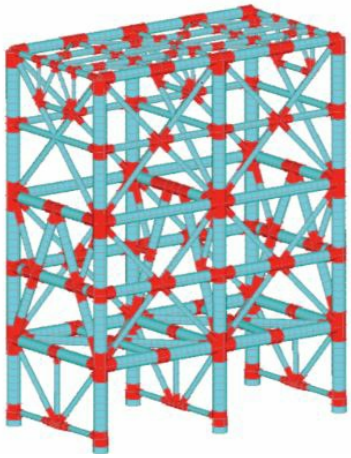
Altair Solutions Monitor and Optimize Vertical Wind Turbines.

The development and functionality of the digital twin of a vertical wind turbine were performed using the Altair product suite.

Overall, the model was able to predict the “good” condition of the wind turbine structure with an accuracy of 97%, and the “faulty” condition of the wind turbine structure with an accuracy of 95%.

read it here

Why Should Civil Engineers know FEA?



Civil Engineering, a field dedicated to designing and constructing infrastructure, industrial and residential facilities, relies on advanced tools to ensure project safety, efficiency, and cost-effectiveness. Among these skills, Finite Element Analysis (FEA) is a paramount skill for civil engineers.

It revolutionized scientific modeling and engineering design, including water tanks, tunnels, underground and parking structures, bridges, highways, and high-rise buildings.

learn more

Partners Spotlight

Novus Nexus

Novus Nexus continues to provide the only true CAE automation processor, CAENexus, making robust, flexible, and simple simulation automation an attainable, cost-effective reality for development organizations of all sizes. The same reliable and proven strategy for automating CAD-to-solver has been expanded to incorporate post-processing, allowing for automated report generation and quick definition of report content.

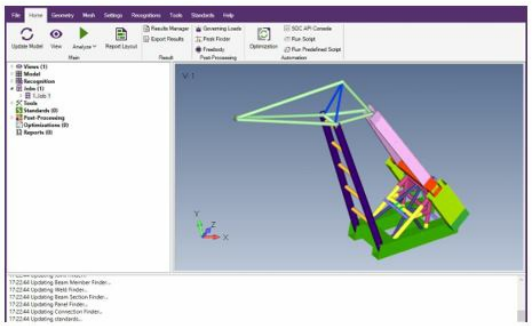
In effect, Novus Nexus offers fully integrated end-to-end simulation process automation spanning a wide variety of commercial and open-source solvers. No-risk “see for yourself” pilot projects, supported by experienced CAD and CAE specialists, let prospective customers experience how to significantly increase simulation throughput with existing tools and teams.

website

SDC Verifier

Are you tired of verifying FEA models against industry standards, only to face complexities and errors along the way? That's why you need SDC Verifier, the software solution engineered to simplify the verification process.

Say goodbye to manual labor and hello to automation, recognition, optimization, and reporting — all in one powerful tool.



With SDC Verifier, you'll experience enhanced accuracy, increased productivity, and heightened reliability in your engineering projects. Starting as an extension to Ansys, Femap, and Simcenter 3D, SDC Verifier has evolved into a comprehensive, all-in-one solution for simulation and verification. Curious but cautious about investing? Get started risk-free with a trial version. Visit their website and see how SDC Verifier can elevate your engineering workflow.

website

Upcoming Events!

Beta-CAE Open Meeting (India)
February 26

Beta-CAE Open Meeting (Chennai)
February 28

NAFEMS ASSESS Summit 2024
March 4-6

ARAS ACE 2024
March 4-7

Future.Industry 2024
March 6-7

Additive Manufacturing Users Group
March 10-14

find more here

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