News & Updates

September| 2022

Revolution in Simulation is an industry initiative for educating, advocating, collaborating, and innovating for next-gen use of current and cutting-edge engineering simulation. The goal is to make simulation not just more capable and efficient for the CAE expert, but more accessible and reliable for non-experts... what is often called *The Democratization of Simulation.*

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

WHAT'S NEW?

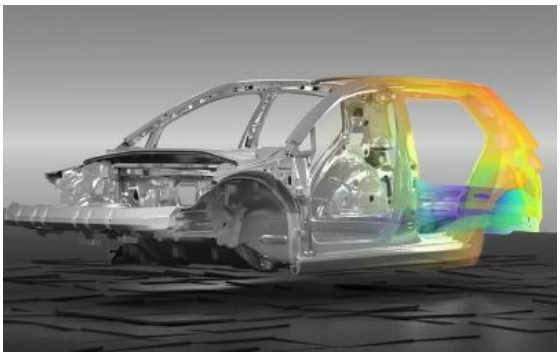
Reseller Sponsorship Program
By popular demand we've added a place on Rev-Sim for resellers of simulation products and services! For more information contact **Bob Hales**.

Case Study
Lightening Simulation: Susceptibility Matches Field Results

BLOG Post
Top 8 Digital Twin Benefits

Webinar Recordings
We have a growing library of recorded webinars. Go **here** to access our library of webinars.

Job Listings
Have you checked out our new simulation industry **jobs board**?



Webinar Recording: *The use of Machine Learning in Future Transport Safety Applications*

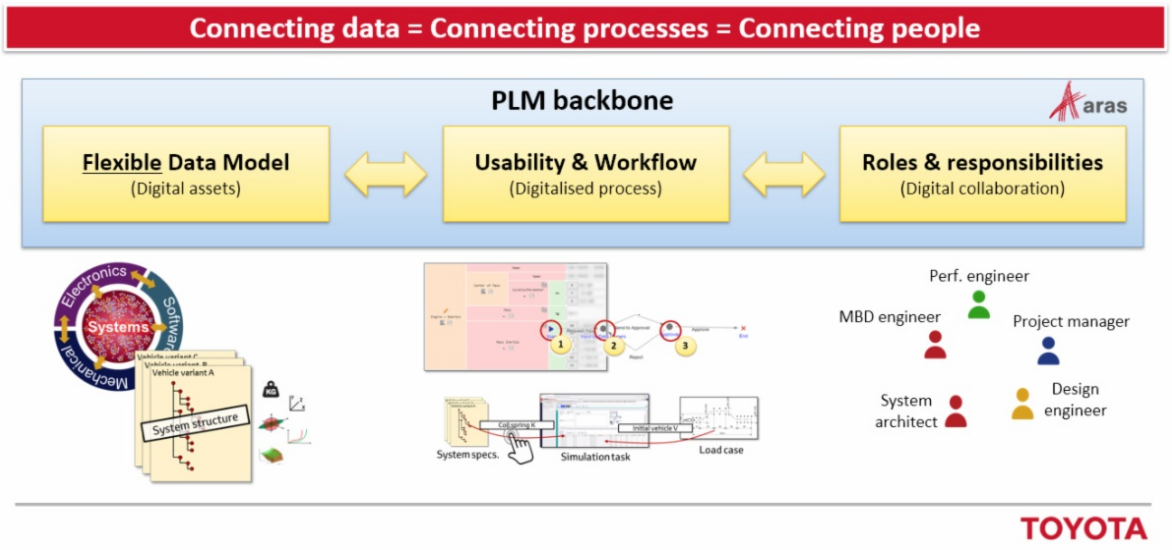
This webinar highlights the benefits of using artificial intelligence in the design of vehicle crash structures as well as occupant kinematics in future autonomous vehicles.

View the Recording

Upcoming Webinar

Development of a Flexible Digital Thread for Managing System Performance Simulation at Toyota Motor Europe

September 27, 2022
11:00 AM Eastern



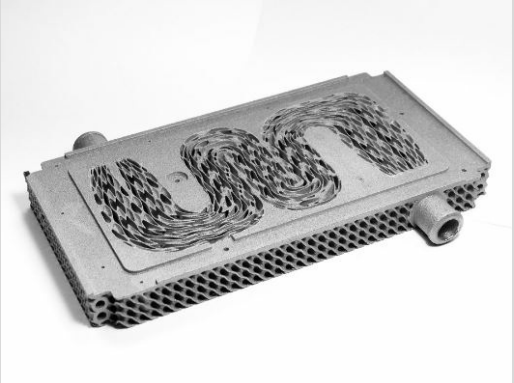
information & registration

1 on 1 with: **Dr. Lieven Vervecken**

Diabatix specializes in generative thermal design. With a focus on heat transfer, the cooling components generated from the company's ColdStream software are made to cool the high-powered tech of today and tomorrow. In this interview Co-Founder & CEO, Dr. Vervecken discusses the release of Coldstream 2, simulation and generative design, and why it is important to participate in Rev-Sim.

read the interview

CASE STUDY: **Liquid-Cooled Plate for Automotive Power Electronics with Shark-Inspired Flow Lines**



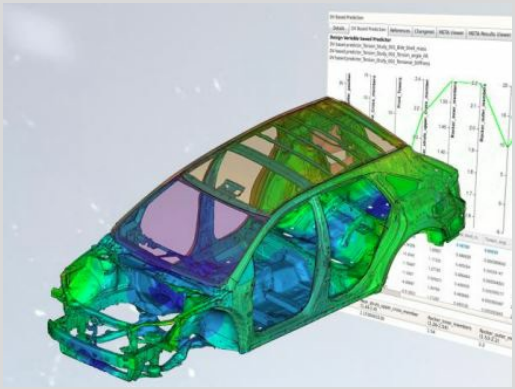
Puntozero redesigned the cold plate of the power electronics of Dynamis PRC's electric race car for additive manufacturing.

The result was a 25% lighter liquid-cooled heat sink and bioinspired flow guides that increased the heat transfer surface area by 300%.

Read the case study **here**.

more case studies

Sponsor Spotlight: **Beta CAE**



BETA CAE Systems transformed engineering simulation by introducing revolutionary process automation software tools and practices into Simulation and Analysis, almost 30 years ago. Committed to our mission to enable engineers to deliver results of high value, we continue to offer state-of-the-art, high-performance software and best-in-class services to the industry, around the world.

learn more

Our Newest Sponsors

Corvid engineers and scientists provide end-to-end solutions including concept development, design and optimization, prototype build, test and manufacture.

Coreform is the highest ranked CAE company on the 2020 Inc. 5000 list of the fastest growing companies in America and is #15 on the 2020 Utah 100.

our list of sponsors

Don't just sit there... **Become a Contributor!**

Rev-Sim is your one-stop for simulation-related content. Do you have something that you would like to add to our lineup of blogs, case studies, papers, events, etc.?

If so, send it in and we'll consider adding it to the site!

contact us here

Upcoming Events

Turbine Engine Technology Symposium | TETS 2022
September 12-15

International Manufacturing Technology Show | IMTS
September 12-17

Artificial Intelligence in the Automotive Industry
September 13-14

The Electric and Hybrid Technology Expo / Battery Show
September 13-15

Commerical Vehicle Technology Connection | SAE COMVEC
September 20-22

Predicting Aerodynamic Flow Physics Around Automotive Vehicles
September 21

Accelerated CFD Meshing with Fidelity Pointwise
September 22

Development of a flexible digital thread for managing system performance simulation at Toyota Motor Europe
September 27

Exploring Space: Thermal-Structural Analysis of a Lunar Rover Using Simcenter 3D
October 4

American Gear Manufacturers Association | AGMA Fall Technical Meeting 2022
October 17-19

The Composites and Advanced Materials Expo | CAMX
October 17-20

Modelon Innovate
October 19-20

Simulate & Adapt Cities for Climate Resilience: A World Cities Day Event
October 27

International Conference on Additive Manufacturing | ICAM - ASTM International
October 31-November 4

FABTECH
November 8-10

lots more!

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