

8 QUESTIONS

To Determine if You're Ready for Advanced Simulation Tools

Investing in more advanced simulation tools is a significant decision for any company. Here are some questions to consider that may help you determine if you are ready to upgrade.

01 How do you compare and decide on design alternatives?

Evaluate your process for comparing and selecting design alternatives. Are you leveraging advanced simulation tools to analyze different options comprehensively? Do you have an easy way to share simulation results with engineering peers and managers, even those in remote locations?



Process for **comparing and selecting design alternatives**



Product performance and reduce weight

02 How do you test product performance and reduce weight?

Assess how you test product performance and optimize weight. Consider the number of physical prototypes produced and the iterations between design and prototyping. Are simulations being utilized in this process to reduce physical testing and optimize product performance?

03 How do you limit waste and meet sustainability goals?

Examine your strategies for limiting waste, meeting sustainability goals, and managing transportation costs. Are simulation tools being used to optimize designs for environmental impact?



Sustainability goals



Managing warranty costs

04 How do you test for the length of product life and address warranty costs?

Review your approach to testing product life and managing warranty costs. Are simulations being employed to predict product lifespan and identify potential failure points?

05 How do you counter field failures?

Consider the costs of redesign, delays, and impacts on customer satisfaction. Explore the ways simulation analysis could have predicted or prevented these product development setbacks.



Customer satisfaction



Simulation results

06 How confident are you with your simulation results?

Reflect on the confidence level in your simulation results, and whether validation accuracy is a concern. Are there any gaps or uncertainties in your current simulation methodologies?

07 What aspects of your current simulation tools and processes are effective, and which aspects are in need of improvement?

Identify the strengths and weaknesses of your current simulation tools and processes. Consider limitations, pain points, and areas for improvement.



Tools and processes are effective



Outsourcing advanced **simulations**

08 Are you currently outsourcing advanced simulations?

if you're outsourcing advanced simulations evaluate the associated costs, timeframes, and frequency of projects. Consider whether in-house adoption of advanced simulation tools could be more cost-effective and efficient.

The 3DEXPERIENCE Works Simulation portfolio leverages the cloud-based 3DEXPERIENCE platform to provide a unified collaborative environment that connects everyone involved. The entire product development team has access to all the applications and data needed to contribute to and expedite the innovation process from concept to delivery. If you'd like more information or would like to receive a demonstration, please contact your local reseller.

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