





FAST FACTS: ELECTROMAGNETICS SIMULATION WITH 3DEXPERIENCE WORKS

The new hyperconnected world that we live in today relies on electromagnetic (EM) systems and components to carry the data streams we all require and expect for our smart world. As industries continue to embrace smart technology, ensuring EM devices are safe and work as intended is critical to product success.

Electromagnetics Engineer enables designers and engineers to perform electromagnetic simulations from low to high frequency (static to optical), including testing of antennas and microwave components as well as electro-mechanical devices, validate performance, reduce the time-to-market and avoid device malfunctions, warranty claims, and recalls. Here's what you can expect when you design, refine, and simulate with **3D**EXPEREINCE Works Simulation Electromagnetics Engineer.

Industry-Proven Electromagnetics Simulation: Leading technology from CST Studio Suite accelerates the process of evaluating the performance, reliability, and safety of materials and products before committing to physical prototypes.

- **The Fast Track to Certification:** Mitigate and understand EMC/EMI issues during product design, ensuring easier product certification and peace of mind knowing your products are safe for human use.
- **Master Multi-physics:** Include electromagnetic thermal effects into product performance evaluations with multi-physics simulation. Using this approach throughout the design process helps avoid failure, delays, and late changes.
- **SOLIDWORKS® CAD Associativity:** Connecting to SOLIDWORKS through **3D**EXPEREINCE Works reduces the effort required to develop high-fidelity simulations based on CAD design data. What you see in SOLIDWORKS, you see in Electromagnetics Engineer.
- **5 Accelerated Development:** Improve team productivity and efficiency with robust collaboration on the cloud. Enable your mechanical and electrical design and engineering teams to collaborate on a unified platform using 3D EM simulation results.



"CST Studio Suite allows us to evaluate design performance accurately before manufacturing, contributing to success on the first try."

– Raviv Melamed, CEO, Vayyar Imaging



"The accuracy and accessibility of CST Studio Suite are ideal for the design, simulation and optimization of our products."

– Joey Xu, IT Director, Shanghai Amphenol Airwave

Ready to make the jump? Contact your reseller today and visit: **SOLIDWORKS.com/Simulation**

