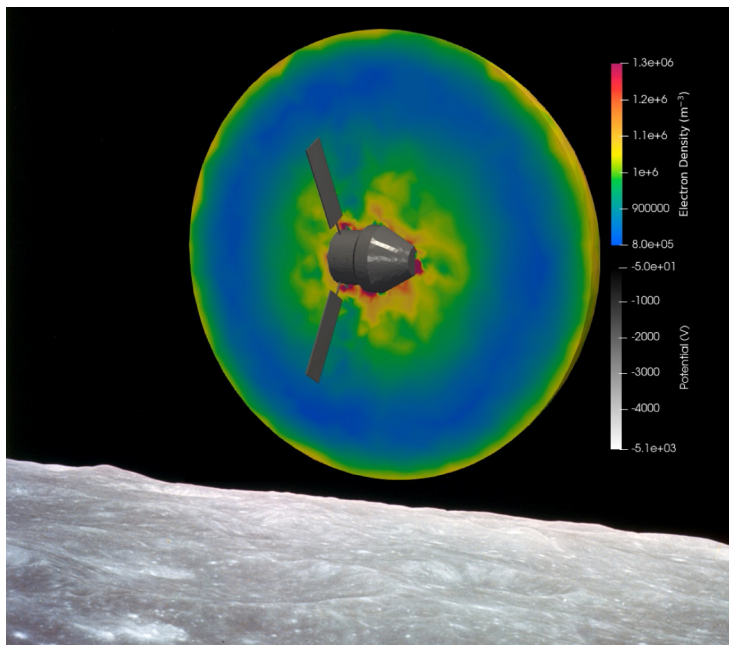
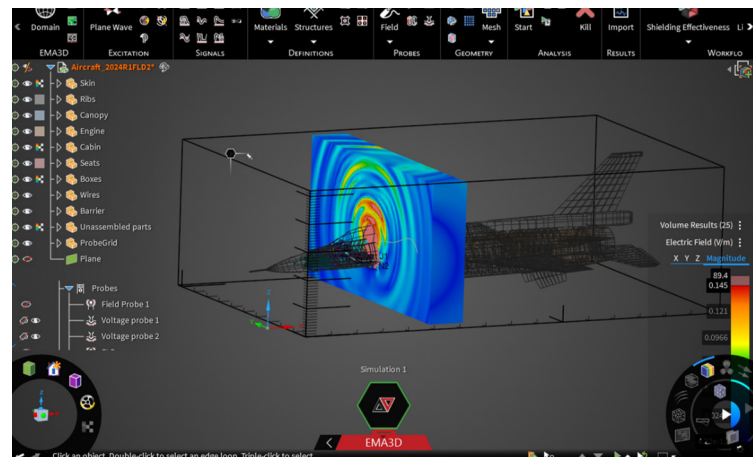


Electromagnetic simulation is essential for preventing interference, ensuring compliance, and guaranteeing product reliability in any environment. **Ansys EMC Plus** and **Ansys Charge Plus** transform certification from reactive troubleshooting to proactive design excellence. Here are five strategic advantages.

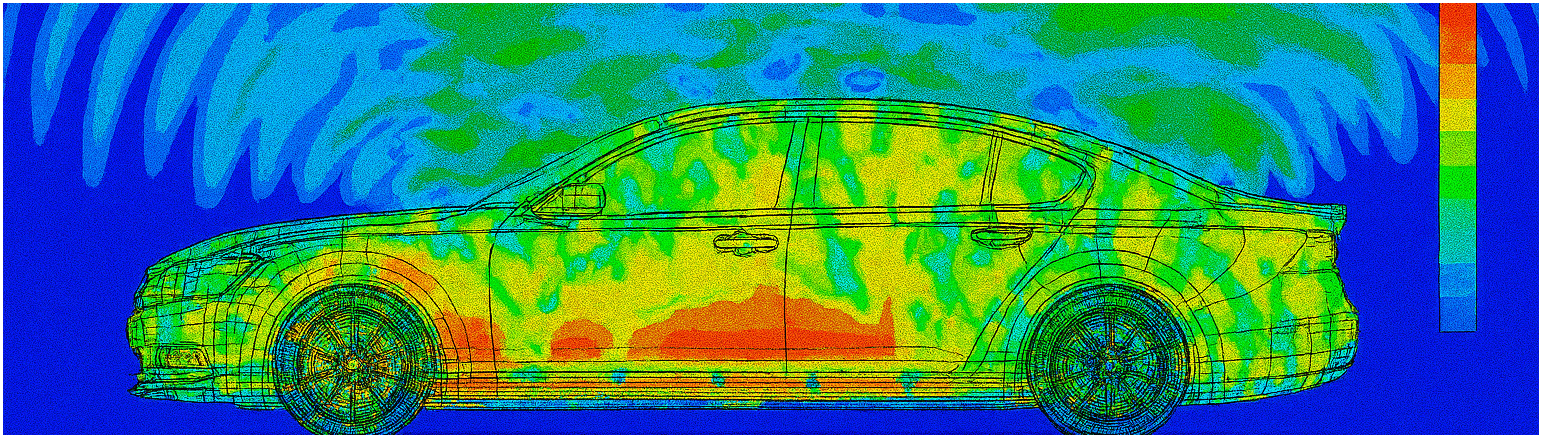
1. Early Detection of Design Flaws

Identify EMI and ESD vulnerabilities before a single prototype is built. Fewer development cycles can lead to six-figure savings in prototyping.



2. Accelerated Time-to-Market

Physical testing is slow and failures can delay a product launch by weeks or months. Simulation accelerates design validation, reduces testing, and helps companies reach market 20-30% faster.



3. Reduced Labor & Equipment Costs

EMI/ESD simulation helps ensure regulatory compliance before testing and can cut related costs by up to 40%. It also boosts first-time test pass rates. Standards includes FCC, CE, CISPR, ISO, and more.

4. Reduced Risk of Field Failures

Lab-tested products can still fail in real-world conditions. Simulation helps model worst-case scenarios, boosting robustness, and reducing liability. Avoiding a single recall can save more than \$1M in costs and protect your brand.

5. Design Optimization and innovation

Simulation enables 'what-if' analysis letting engineers explore innovative layouts, shielding, and grounding strategies without physical constraints leading to better designs, lower costs, and higher profits.