

Summary

Hexagon Marc complements existing CAE tools by extending simulation beyond performance analysis into reliability prediction. It enables engineers to evaluate thermal-mechanical stress, deformation, fatigue, moisture effects, and long-term durability, helping teams identify potential failures earlier and optimize product designs before physical prototyping.

Key Benefits

- Predict product reliability and lifetime
- Reduce physical prototypes and testing costs
- Identify stress, warpage, and fatigue risks early
- Improve package, sensor, and power module reliability
- Evaluate moisture, thermal cycling, and delamination effects
- Accelerate design validation and qualification
- Support advanced nonlinear and multiphysics simulations
- Complement existing electrical, thermal, and electromagnetic CAE tools
- Lower development risk and field failures
- Improve product quality and time-to-market

Key Message

Keep your existing CAE tools for performance analysis. Use Hexagon Marc to understand how products deform, age, fatigue, and survive under real-world operating conditions.