



Advanced Simulation Services: Professional FEA & CFD Analysis by 3HTi

[3HTi](#) improved the air flow inside the smartphones of a leading cell phone manufacturer to avoid overheating problems. With experience working with NASA and the US National Laboratories, our [Simulation](#), FEA, and [CFD](#) expertise are unmatched!



3 HTI CAN SERVE AS A CONTRACTED EXPERT FOR SIMULATION SERVICES



FEA Services – Linear and Non-Linear

FEA services analyze systems, with Linear handling simple proportional responses and Non-Linear addressing complex material or deformation behaviors.



CFD – Fluid Flow

CFD (Computational Fluid Dynamics) analyzes fluid flow, heat transfer, and related phenomena using numerical methods and simulations.



Generative Design and Topology Optimization

Generative Design and Topology Optimization use algorithms to create efficient, innovative designs by optimizing material usage and performance for specific constraints and goals.



Tolerance Analyses

Tolerance Analysis evaluates how variations in manufacturing processes affect the fit, function, and performance of parts in an assembly.



Human Factors Analyses

Human Factors Analysis studies how people interact with systems, tools, and environments to optimize safety, efficiency, and user experience.

www.3hti.com