

HPC Saudi

**HPC USE CASES ACROSS
VERTICALS**

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Industry Challenges

Size



Speed



Scalability

Increasing requirements



COST

Return on investment



KEY HPC use cases

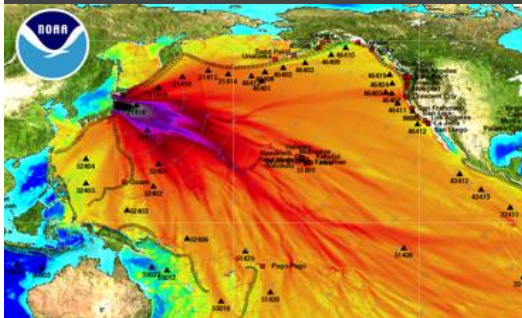
Bioscience

Genomic data analysis, modeling and simulations



Weather and climate

Highly complex CGI rendering



Government research and defense



Energy

Seismic processing, reservoir modeling / characterization, sensor data analysis



Large-scale manufacturing

Mechanical computer-aided design & computer-aided engineering systems



Finance

Fraud detection, Monte Carlo simulations, risk management analysis



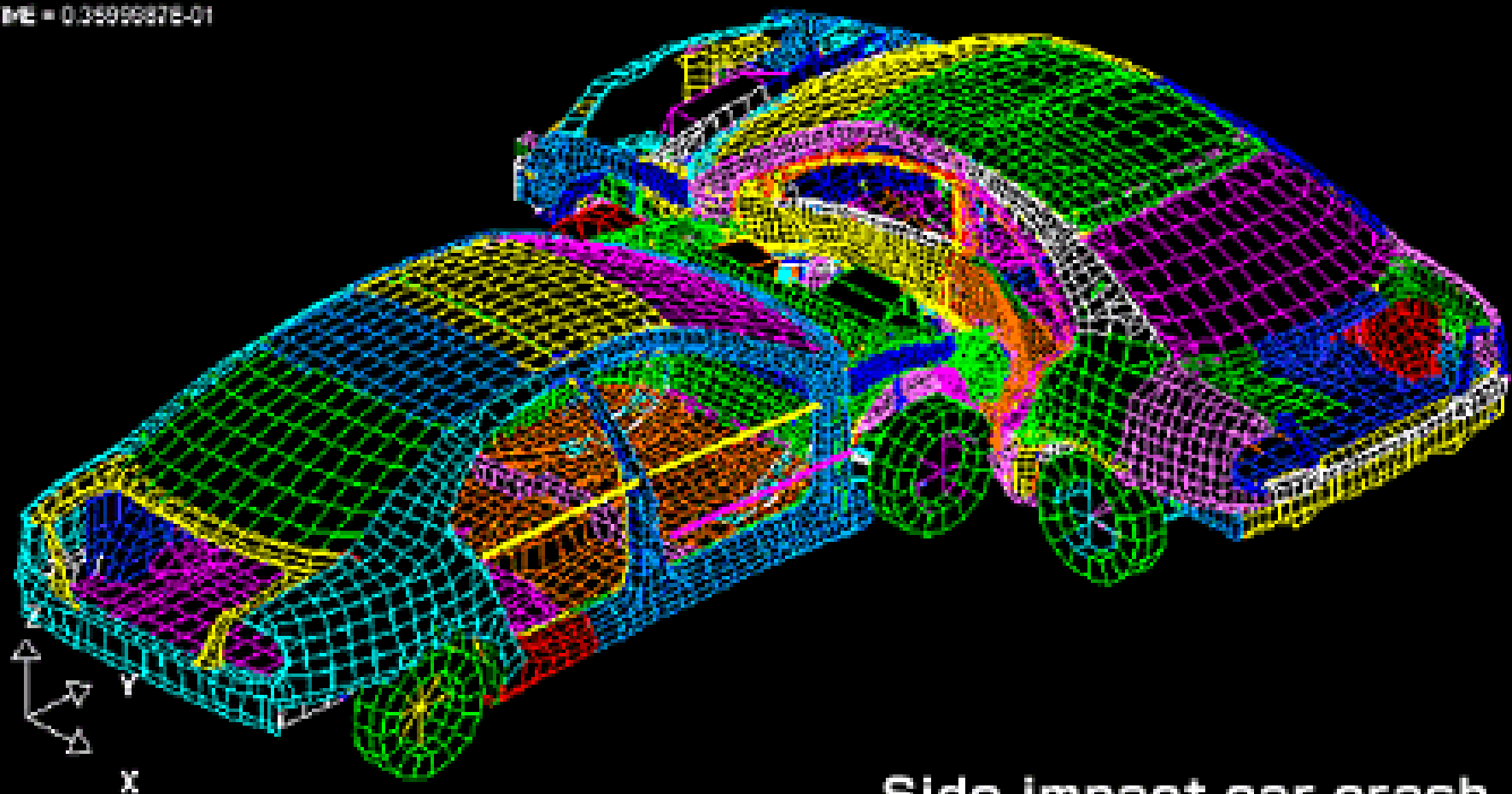


Luxurious Living Room by Eduard Caliman
(www.eduardcaliman.com). Rendered with Corona Render.





STEP 4 TIME = 0.3899987E-01



Side-impact car crash

