SURVIVABILITY

Skyward Ltd. | Dayton, OH | Nontraditional
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Q: What do you consider your organization's differentiator?
A: Skyward offers a set of tools from reverse engineering to Modeling & Simulation using machine learning to live fire T&E with analysis. We can assist whatever stage of the design cycle your team is in.

As an example, we recently worked on a helmet design with an acoustic issue. We scanned physical helmets to get real-world geometry, modeled the helmets in CAD, performed a variety of acoustic and vibration analyses, designed a retrofit fix as well as a tailored composite redesign, and performed testing on the fixes to validate the performance.

Q: What is something unique about your product or service?
A: Skyward offers an end-to-end design capability to improve the survivability of people and their vehicles. We started as a T&E engineering services company, but have grown to include 3D services, M&S, machine learning, and other capabilities. With a start in T&E, we have been able to leverage that knowledge base to inform M&S activities eventually leading to high fidelity modeling of a wide variety of scenarios.

Q: Which Government Customer would you like to pitch your organization to?
A: Skyward desires to grow a relationship with GVSC to help improve survivability and safety of the warfighter.

Capabilities:
Finite Element Analysis, Survivability, Machine Learning, Test & Evaluation, Modeling & Simulation