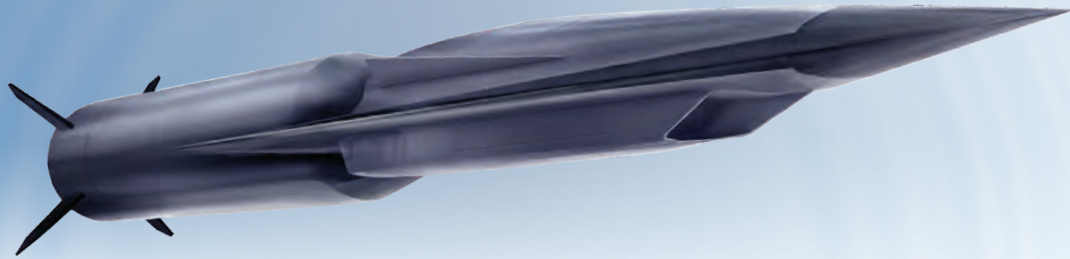


# ADVANCED HYPERSONIC PROPULSION



Using Additive Manufacturing (3D Printing) for Scramjet Engines, Optimizing Performance while Dramatically Reducing Cost and Production Time

- 75% reduction in time to produce
- 75% reduction in cost to manufacture
- 95% reduction in number of parts enabled by greater design flexibility



*Compared to Aerojet Rocketdyne scramjet used to power historic flight of X-51A Waverider in 2010.*

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