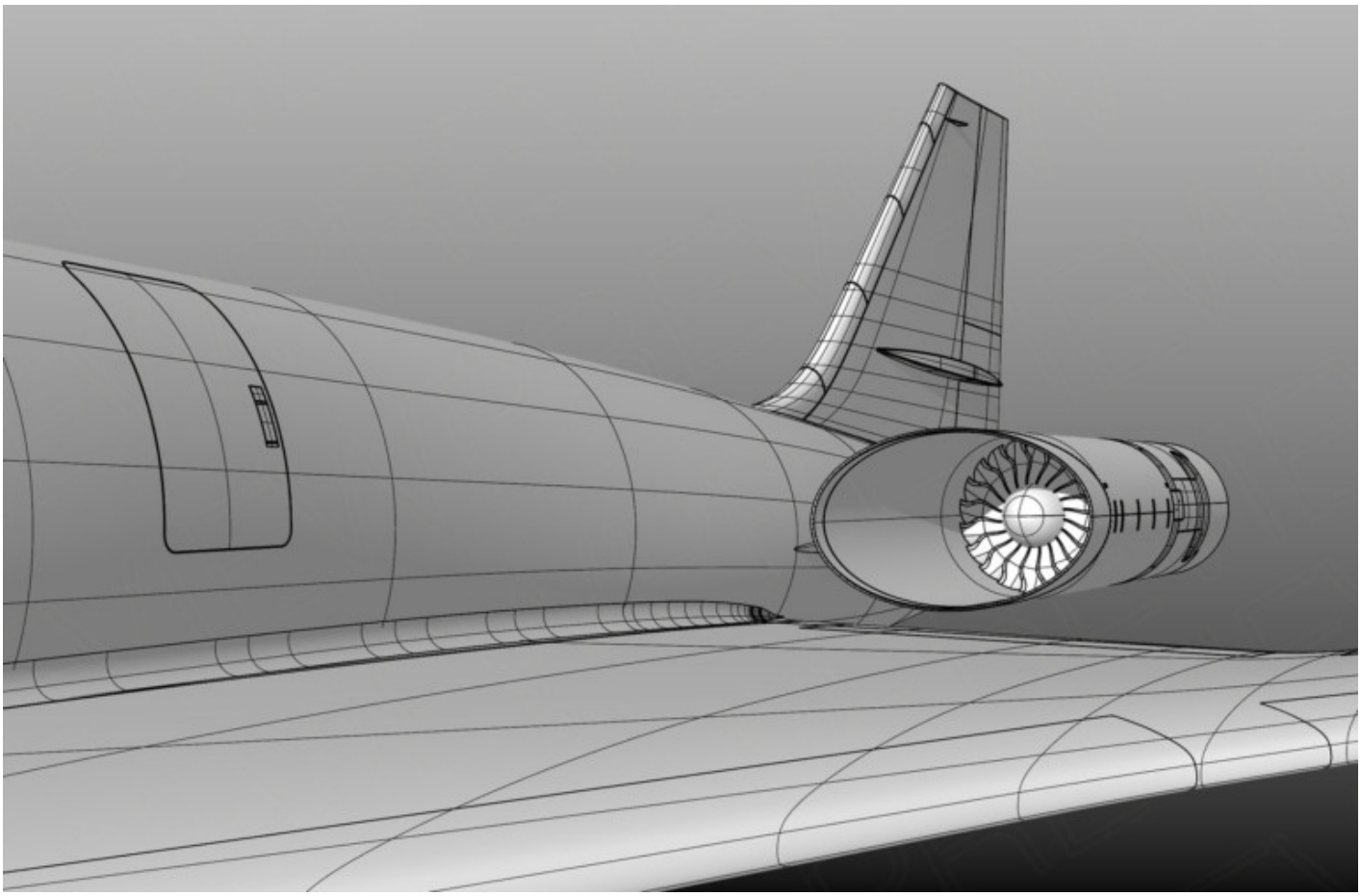
SPIKE AEROSPACE EVALUATING ENGINES FOR SUPERSONIC JET WITH TWO MAJOR SUPPLIERS

News / Manufacturer



Spike Aerospace announced they are evaluating several possible engine options for the S-512 Supersonic Jet. The company is currently working with two engine manufacturers and is in the early stages of discussion with a third engine supplier.

Spike Aerospace and the engine manufacturers are identifying existing engine that can be modified to meet the requirements of the Spike S-512 Supersonic Jet. "There are several engines that are very close to what we need for the Spike Supersonic Jet. As we work with the engine suppliers, we will have a better understanding of which one will meet requirements the best and the modifications that are required", said Spike Aerospace CEO and President, Vik Kachoria.

As part of the evaluation process, the company will be working with the engine suppliers to explore options for minimizing emissions and engine noise while maximizing fuel efficiency. The studies will also look into the impact of private and commercial operation on the operating costs of the engines.

Engine evaluation will likely take 6 months to a year and will likely result in an announcement of an

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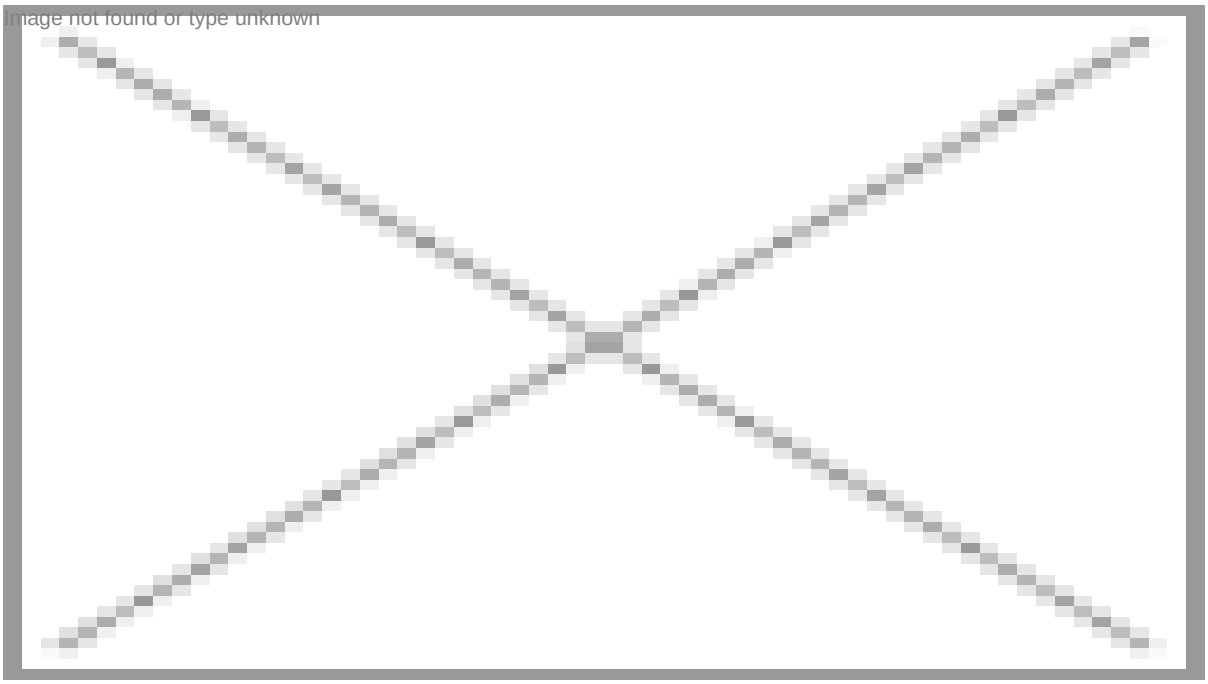
engine supplier for the jet.

Spike Aerospace is looking for low to medium by-pass ratio (BPR) engines with approximately 20,000 lbs sea-level thrust. Most modern engines have high BPR to improve efficiency and reduce engine noise near airport communities.

For the Spike Supersonic Jet, modifications to those engines would likely need to made. Modifying an existing engine is likely to take 3-5 years compared to development of a new engine which typically takes 10+ years.



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