

# ROUSH®

## AEROSPACE NVH ENGINEERING

Roush is a leading supplier of noise and vibration (NVH) control engineering services to the aircraft and aerospace industries. Our engineering staff continues to develop state-of-the-art experimental and analytical methodologies to provide comprehensive solutions to the complex noise and vibration issues in these fields.

Roush provides solutions to customer concerns on a variety of vehicles, ranging from small turboprop aircraft to helicopter, satellites and spacecraft. We combine our NVH expertise with Roush's extensive fabrication and engineering services to help our customers build winning products.

[www.roush.com](http://www.roush.com)

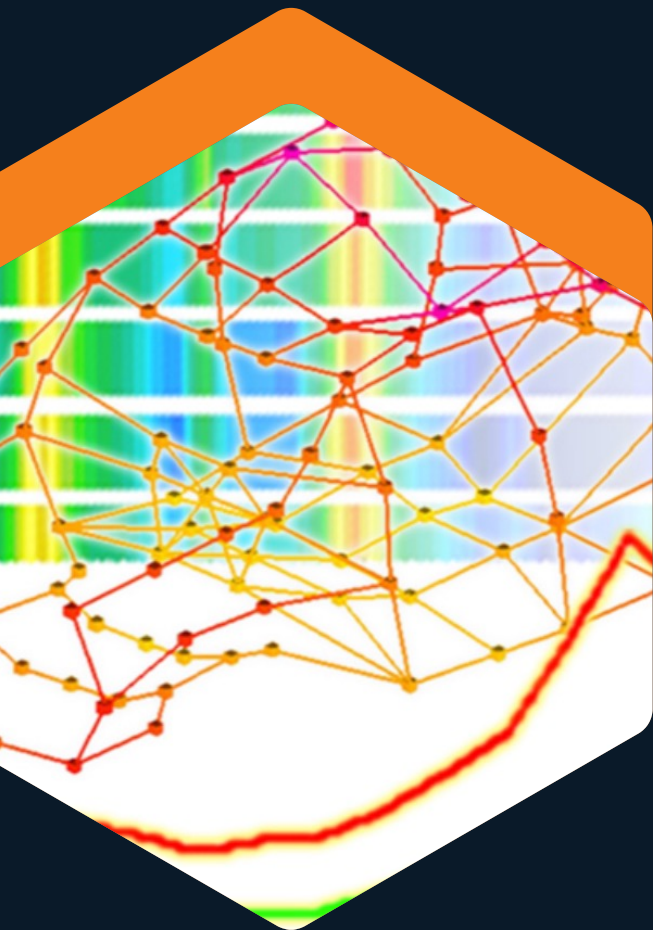
We're focused, we're efficient, and we're at our best when we're challenged to think outside the box — critical traits when our customers' success depends on how quickly we can take their visions from the sketchpad to the marketplace.

For more information, please [click here](#).



## WHY ROUSH?

Our training and experience enables us to develop innovative solutions without compromising performance. We support product development from the initial design stage through production.



## SERVICES INCLUDE:

- Developing improved designs
- Finding causes of noise and vibration issues
- Comprehensive CAD/CAM/CAE
- FEA/BEA/CFD/thermal/kinematic analyses
- Statistical energy analysis/specialty vibration
- Gear noise evaluation/solutions
- Aeroacoustics/fan noise
- Custom damping/tuned absorber treatments

## OTHER LABORATORY SUPPORT

- Sound quality
- Modal/operating deflection shape analysis
- Noise path analysis
- Viscoelastic and acoustic materials laboratory
- Customized data acquisition and analysis

**ROUSH**<sup>®</sup>

[www.roush.com](http://www.roush.com)