



## Roush Opens New Real-Time Simulation Road Test Lab

*First-of-its-kind lab eliminates need for actual road test settings*

LIVONIA, MICH. (May 28, 2019) — Roush customers can now test full vehicle durability in a fraction of the time, thanks to the Roush Advanced Durability Lab. The new \$6 million purpose-built, first-of-its-kind durability and road simulation test facility allows businesses to test the structural reliability of vehicles and vehicle components early in the product design timeline.

“Roush’s investment in the Roush Advanced Durability Lab ensures products in the development phase live up to users’ expectations,” said Jeff Johnston, president of testing services for Roush. “It gives us the unique capability to serve our customers at subsystem, component and full vehicle levels.”

In lieu of driving vehicles on a proving ground, the lab acts as a full vehicle road simulator. It recreates real-world forces and motions while reducing total durability test time. A key piece of the new lab’s technology is the world’s only contract six-degree-of-freedom (6-DOF) test rig. The rig simulates the complex nonlinear events that are required for meaningful durability road simulation.

“As modern vehicle technology continues to advance, so does the testing,” Johnston said. “Roush can engineer and release solutions to any issues found during real-time simulation, which will save customers money, provide faster testing cycles and get products to market faster.”

The full-service lab includes 2,500 square feet of bedplate for vehicle; sub-system and component durability testing; private, isolated control rooms; central 450 gallons-per-minute hydraulic pump; and a cooling tower.

“Roush’s expansion adds a new servo-hydraulic infrastructure that enables a myriad of other testing applications, including component durability, calibration and test-to-failure,” said Johnston. “By leveraging Roush’s 40+ years of vehicle and systems engineering experience, we can provide OEMs, Tier 1 suppliers and other customers with unparalleled service from design, development and validation all the way through to production.”

Located in Roush’s Building 11 in Livonia, the facility will be available for customers in the automotive, electric vehicle, autonomous and wheeled military industries on June 1.

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**About:** Roush, a subsidiary of Roush Enterprises, Inc., is a full-service product development supplier headquartered in Livonia, Michigan. Since 1976, the company has grown to more than 4,000 employees in facilities located throughout North America, Europe and Asia. Named a Crain's Detroit Fast 50 in 2018, Roush is widely recognized for engineering, testing, prototyping and manufacturing services to the mobility, aerospace, defense and theme park industries. Other corporate subsidiaries include Roush Performance, developer and manufacturer of performance vehicles and products for the automotive aftermarket; and Roush CleanTech, developer and manufacturer of alternative fuel systems for the fleet vehicle market. Visit [roush.com](http://roush.com).

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**For More Information:**

Gregg Voss | TSN Communications  
224-542-9530 | [gvoss@tsncommunications.com](mailto:gvoss@tsncommunications.com)