



Six D Testing & Analysis

Newsletter

Winter, 2023

ENGINEERING ANSWERS through TESTING & ANALYSIS

In this business you have to get your hands dirty. From the test lab to ocean oil platforms, underground mines, and everywhere in between - we collect, analyze and interpret the data to drive simulation and provide answers to complex and costly mechanical engineering challenges.

Testing & Simulation for Vehicle Durability Validation

6D offers specialty vehicle manufacturers a cost-effective engineering solution to validate next generation products or design enhancements. We offer a unique combination of field testing, analytical simulation, and decades of experience to determine if your vehicle designs will meet design, performance, and durability targets.



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An Introduction to Modal Testing

While vibration is present in all systems, subsystems, and structures, excessive levels can have a direct and detrimental impact on durability and noise levels.

Modal testing is a method to measure vibration levels, determine the severity, and help to pinpoint the cause and effects. Read this blog post to learn more.



[Learn More](#)

Motion Amplification Videos: Receive Testing Results Faster

Remote data collection not only accelerates testing and analysis but can also save the customer money. One example of this is the use of video equipment to measure and display vibration using real-time animation.

With the ability to capture data remotely, non-contact measurement via motion amplification videos is non-intrusive and allows for faster data processing while providing real-time insight into operation deflection shapes.

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CASE STUDY: Video Amplification as a Tool for Economic Design Validation

A North America manufacturer of complex compressor systems was experiencing a high rate of piping cracking on one of their systems.

6D was asked to help develop an economical approach to validating new product iterations and next generation designs while addressing any structural issues along the way.

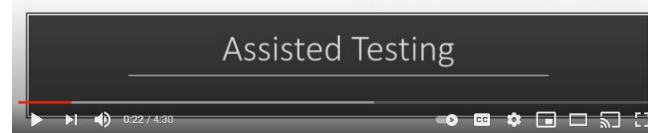


[Read the Case Study](#)

From our Video Library



[6D in 60 Seconds](#)



[Remote Assisted Testing](#)

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IN CASE YOU **MISSED IT**

A Blast From the Past...

[Durability Testing for Off Highway and Specialty Vehicles](#)

[Design Support Services](#): Experience that Brings Real-World Durability & Performance to Designs

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