

# S-E-A Vehicle Dynamics & Testing



Forensic Engineering,  
Investigation and Analysis  
Since 1970



Driven.

## VEHICLE DYNAMICS

ENGINEERING - INNOVATION - PRECISION

Think Differently. Think Dynamically.

Our talented Vehicle Dynamics engineers perform vehicle testing, handling dynamics analysis, collaborative studies, and custom testing - ensuring our clients stay informed and on the cutting edge of their industry.

## S-E-A Provides Technical Expertise for Government and Industry Research, Development, and Testing, including:

### Testing & Analysis of Electronic Data from Vehicle Systems

Engine Control Modules  
Supplemental Inflatable Restraint Modules  
BOSCH Crash Data Retrieval  
ADAS Data Analysis



### Equipment for Vehicle Testing

Driving Robots  
Visual & Audible Detection  
Inertia and CG Measurement  
Dynamometer for Micromobility  
Data Collection and Storage  
Pedestrian Robotic Platform



### Custom Hardware and Software

Custom Software & Apps  
Hardware Development  
Data Collection via TCU  
IoT Integration  
Dashboards + GUIs



### Non-Standard Testing

Low-Speed, Low-G Sled  
Vehicle Crash Tests  
Cross-Disciplinary Testing  
Off-Road Vehicle Testing  
On-Site and Off-Site  
Test Surfaces



### Experienced Federal Contractor

NHTSA NCAP Contractor for 20+ Years  
Over 15 CPSC Awards  
US Army Large Vehicle Test Rigs  
Research and Product Development  
Project Ideation Through Final Report



### Biomechanics and Human Factors

Biomechanical Analysis  
Injury Risk and Thresholds  
Kinematic Modeling  
ATD/Vehicle Studies  
Testing for Accident Reconstruction



## CONTACT US — WE'RE READY TO ASSIST.



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To schedule a demo  
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