Ground Support & Special Test Equipment
From the ground up

A successful mission starts on the ground.
And RS&H leads the industry in advancing ground support systems. With more than 70 years of experience, we specialize in engineering services for ground support equipment, special tooling, and analysis to achieve safer, more efficient vehicle and component testing, processing, and operations. Our leading teams thoroughly understand all requirements and specifications for US government, military, and commercial vehicles. We offer cost-effective, innovative, robust, and reliable solutions, often modifying off-the-shelf equipment to meet the specific needs of our clients.
Full range of equipment needs

RS&H has supported the evolution of land, air, and space transportation for nearly a century. Building on this legacy, we continue to advance transportation with in-depth expertise in all ground support and test equipment.

Analysis, design, and cost estimating for:

- Vehicle & Critical Component Transporters & Handling Fixtures
- Autonomous/Remotely Operated Transporters
- Mobile Launch Platforms
- Launch Mounts
- Umbilical Components & Management Systems
- Cryogenics & Fuel Storage, Transfer, Distribution & Controls Systems
- High Pressure Gas Storage, Transfer, Distribution & Controls Systems
- Automatic Translating & Articulating Vehicle Access Platforms
- Vibration Isolation Systems
- Critical Lift Rigging & Tooling
- Precision Machined Components
- Specialized Protective Coverings & Devices
- Test Fixtures & Stands
- Adapters
Innovative Technologies

Using the latest in state-of-the-art software, we help clients analyze all types of ground support and special test equipment. Our engineering capabilities include static, dynamic, and random vibration stress analyses, as well as thermal analysis, computational fluid dynamics, motion simulation, hazard and safety analysis, and cost analysis.

Analyses & Other Services:
- Failure Modes & Effects Analysis
- Finite Element Analysis
- Virtual Reality & Simulation
- 3D Modeling & Printing