

Who We Are

GLSV is a team of problem solvers. We bring a wealth of experience and dig deep to develop solutions to the most challenging problems. We lead with a strong focus of manufacturing for the DoD from single parts, to ground up, full product development. Our team of outstanding engineers is complemented by our talented manufacturing workforce with a strong skill set in metal fabrication, and our 47,000 square foot facility provides the capacity to produce prototype through high volume production quantities. GLSV operates 100% in house from idea to manufacturing, and provides high quality, customer specific solutions.

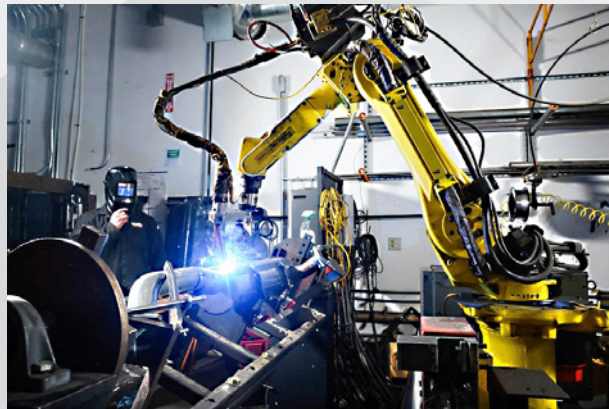
GLSV Quality Policy

GLSV is committed to consistently deliver solutions and products that meet or exceed customer and regulatory requirements. We focus on our customer's satisfaction, while demonstrating superior knowledge and technical expertise to satisfy our customer's needs. We strive to continually improve our quality management system, people, products, and services.

Our Core Values

- Team First
- Mutual Trust
- Local Commitment
- Work Hard & Smrt
- Continuous Learning

Our strength lies in our diversity and ability to solve challenging problems that require a broad range of knowledge and varied capability.



Great Lakes Sound & Vibration



GLSV is a value-added supplier for Navy, marine, and ground combat vehicle products. We provide turnkey solutions for the North American defense market. All of our engineering, design, and manufacturing is done in-house, allowing us to be more efficient and responsive to our customers. Established in 1996 to solve acoustic, shock and vibration problems, we are now a multi-functional engineering and manufacturing company.



Great Lakes Sound & Vibration

47140 N. Main Street

Houghton, Michigan 49931

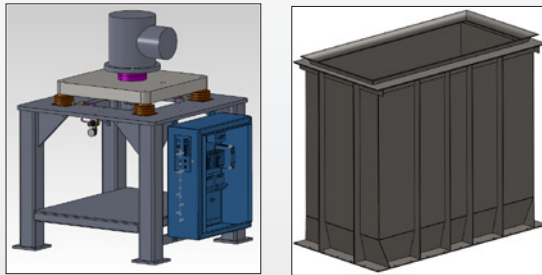
906.482.7535

<https://www.glsv.com>



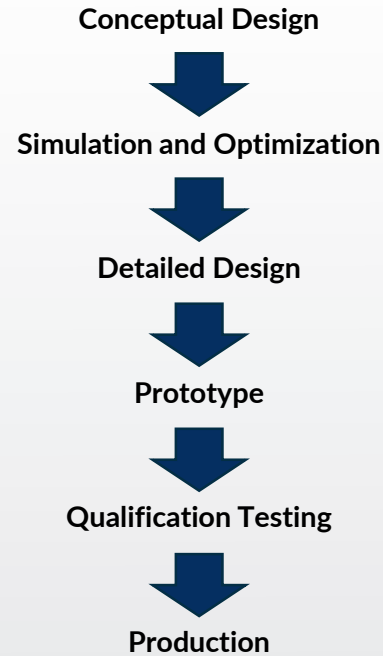
EQUIPMENT DESIGN

- Mechanical & electrical
- Structural optimization
- Software/controls
- Intake, exhaust, and silencer products
- Custom isolation mounts and subsystems qualifications



EQUIPMENT MANUFACTURING

- Components and subsystems
- Large fabrications
- Intake, exhaust, and silencer products
- Build to print or custom designs
- Rubber molding
- Custom rubber isolation products
- Turnkey systems & custom test stands
- Encompassing mechanical, electrical, hydraulic, software, and control elements

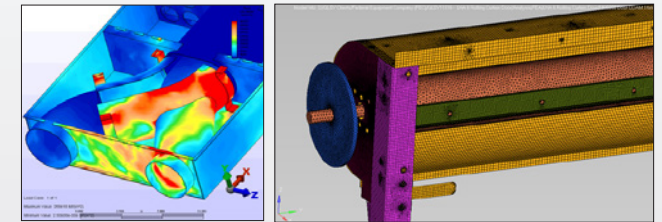


EQUIPMENT SHOCK HARDENING

- Upgrade Kits for shock hardening of COTS equipment.
- Simulation-driven design for Grade A and Grade B Navy shock.
- Structural FEA and DDAM for virtual prototyping and validation prior to MIL-S-901 shock testing.

STRUCTURAL ANALYSIS AND DESIGN

- Thermal stress
- Noise and vibration
- Multi-body dynamics (MBD)
- Rigid & flexible body dynamics
- Linear/nonlinear structural finite element analysis (FEA)
- DDAM analysis for Navy shock
- Fatigue
- Transient & steady-state heat transfer



ACOUSTIC AND THERMAL SIGNATURE MANAGEMENT

- Vehicle-level noise budget
- Vehicle-level noise assessment
- Noise/vibration characterization testing
- Noise/vibration treatments
- Acoustic signature prediction

