



Mechanical Systems Design and Development

Mesa Robotics, Inc. is a woman owned small business located in Madison, Alabama. Mesa's mechanical engineering group has been active in the design, development, fabrication, integration, and test of unmanned ground vehicles for over twelve years. First, as the Systems Development Division of Mesa Associates, Inc. and, since 2004, as Mesa Robotics, Inc. – a privately owned small business. In addition to robotics, the Mesa Robotics Staff has a broad range of experience in design, manufacturing, and integrating military hardware – vehicles, ground support equipment, and tactical missile components.

We address the full spectrum of mechanical systems design and development – **Analysis of Requirements, Trade Studies, Concept Development, Computer Modeling, Analysis, Design, Build, Integration, Test and Evaluation.**

Our Technical Experience includes:

- Vehicles, Chassis, Drive-trains, Payloads, and Attachments
- Diesel/Gasoline Engine Propulsion, Hydraulic Control Systems
- Electric Drive Motors, Battery Power Systems, Recharging Systems
- Ground Support Equipment – Shelters, Equipment Racks, HVAC
- Military Vehicle (HMMWV) Payloads and Vehicle Modifications
- Tactical Missile Airframes and Launchers
- Multi-Axis Manipulators and Actuation Mechanisms

NAICS Codes: 332510, 333924, 333999, 334511, 336992, 541330, 541712

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