

AAMU-RISE

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RESEARCH • INNOVATION • SCIENCE • ENGINEERING



ALABAMA A&M UNIVERSITY

NAICS CODES

DUNS: 079704930

CAGE: 7COE3

Federal EIN No: 46-4776909

Certificates and Registrations:
SAM – Registered

- 541330** Engineering Services
- 541380** Testing Laboratories
- 541511** Custom Computer Programming Services
- 541512** Computer Systems Design Services
- 541513** Computer Facilities Management Services
- 541611** Administrative/General Management Consulting Services
- 541712** Research/Development in the Physical, Engineering, and Life Sciences
- 611430** Professional/Management Development Training



U.S. SPACECOM visits AAMU to tour RISE facilities.



AAMU Wind Tunnel

ALABAMA A&M UNIVERSITY

Alabama Agricultural and Mechanical University (AAMU) is a historic 1890 land-grant institution that is nationally recognized for excellence in STEM disciplines, including nuclear and agricultural sciences and engineering. In 2025, AAMU was designated a Research College and University in the Carnegie Classifications of Institutions of Higher Education, reflecting its growing research capacity and commitment to addressing real-world challenges. In 2026, Amazon selected AAMU as a hub for AI and machine learning cooperation.

ABOUT AAMU-RISE

AAMU-RISE is the contracting entity for Alabama A&M University. Serving federal agencies, industry partners, and academic institutions, AAMU-RISE embodies Research – Innovation – Science – Engineering at every level. Through applied innovation and hands-on STEM engagement, AAMU-RISE expands research capacity while preparing students to contribute to the competitive technical workforce.

AAMU-RISE is capable of serving as either a prime or subcontractor to manufacture products or provide innovative services. Through state-of-the-art laboratories, AAMU-RISE executes contracts for research and development, with expertise in defense, aerospace, cybersecurity, sustainable energy, food production, and emerging biotechnologies. Leveraging the full range of Alabama A&M University's research disciplines, along with strong business management leadership, AAMU-RISE delivers innovative solutions that exceed contract expectations.

CORE COMPETENCIES

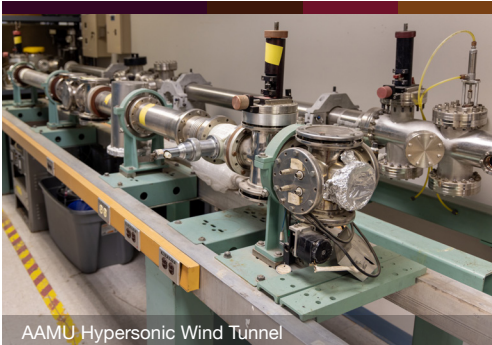
Through four specialized centers, AAMU-RISE drives innovation in artificial intelligence and cybersecurity, microelectronics and advanced materials, sensors and intelligent systems, and technical assistance supporting biotechnology, sustainable energy, and advanced engineering. AAMU-RISE is transforming discovery into real-world impact.

CENTER FOR AI/ML & CYBERSECURITY

- Artificial Intelligence (AI) and Machine Learning
- Cybersecurity and Threat Intelligence
- Advanced Computing and Edge AI
- Data Science and Analytics for Critical Applications
- Defense, Energy, and Assistive Technologies
- Large and Visual Language Models (LLMs & VLMs)

CENTER FOR MICROELECTRONICS & MATERIALS

- Integrated Circuit Design and Fabrication
- Crystal Growth and Advanced Materials
- Large and Small Bandgap and Piezoelectric Materials
- Nonlinear Optical Materials



AAMU Hypersonic Wind Tunnel



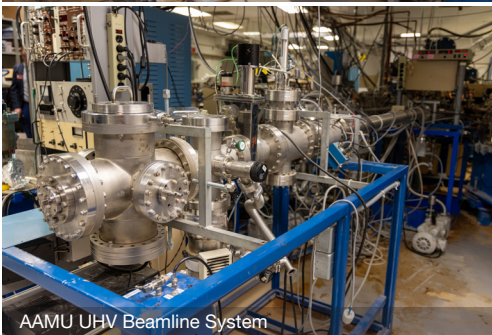
High-pressure air supply system for wind tunnels.



AAMU Clean Room



AAMU Tandem Accelerator



AAMU UHV Beamline System

- Microelectronics / Rating 1000 Clean Room
- Nanotechnology
- Microgravity Research
- Cyber Security

CENTER FOR SENSORS & SYSTEMS

- Image and Signal Processing
- Real-Time Embedded Systems
- Seismic Data Processing
- Modeling and Simulation in Biometrics
- Computational Electromagnetics
- Computational Fluid Dynamics
- Unmanned Aircraft Systems and Robotics
- Chemical Sensors
- Finite Element Analysis

CENTER FOR TECHNICAL ASSISTANCE

- Advanced and Additive Manufacturing
- Biotechnology and Genetic Engineering
- Biofuels
- Renewable and Green Energy
- Geophysics and Seismology Expertise
- Environmental Research
- Food Microbiology
- Food Biotechnology
- Nutritional Biochemistry
- Food Engineering

KEY FACILITIES

- Microelectronics Fabrication Facility/Class 1000 Clean Room
- Surface Analysis & Electrical Characterization Labs
- Tandem Accelerators (Pelletron & Tandetron)
- Cybersecurity Lab
- Mach 4 Wind Tunnels

PROVEN PARTNERSHIPS

