



ZIN Technologies

Engineering and Manufacturing Services

ENGINEERING & MANUFACTURING SERVICES

CORE CAPABILITIES:

Decades of experience with formulation to implementation of flight and ground hardware/software systems and subsystems

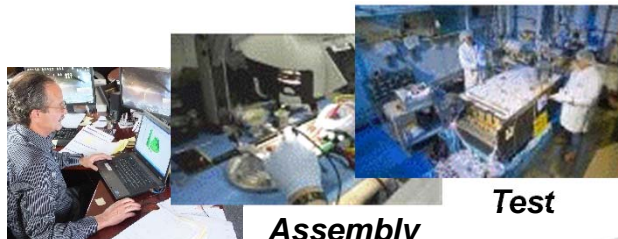
- Product and Mission Assurance
- Manufacturing (IPC standards, 8739, Subtractive and Additive Manufacturing)
- Flight and Ground Safety
- Safety & Health
- Project Management (PMP certified project managers)
- Configuration Management
- Change Control Processes
- Risk Management
- Parts and Material Control and Tracking
- Power & Avionics Systems
- Systems Engineering
- Instrument/Sensor Systems
- Embedded Systems (hdw & sw)
- Space Communications
- Composite Design & Analysis
- Engineering Analysis & Modeling
- Flight and Ground Hardware Integration & Operations
- Human Performance Data Analytics



ZIN Technologies (ZIN) is a minority owned Small Business leader in the development of complex space flight systems. 250+ person organization consisting of experienced scientists, multi-disciplinary engineers, designers, technicians, operators and QA. AS9100C certified facilities and quality management systems.

ZIN has designed, fabricated and operated over 230 man-rated space flight payloads with thousands of hours of space flight operations logged on the shuttle, MIR, & ISS. Our experience includes ISS research investigations, Space Launch Systems, Orion, commercial crew, satellite (IMU) accelerometer systems (Class B), human research projects and support

ZIN has developed Class A/B systems (Power, Instrumentation, Inertial Navigation) for long duration missions, with radiation requirements.



Design

Assembly

Test

- Manufacturing - 60,000 sq. ft. Spaceflight hardware assembly area with electronic buildup capability, and fabrication
- Digital Thread - In-house Agile Manufacturing direct laser melting capability
- AS9100C Certified Quality Management System
- Mechanical Manufacturing
 - Clean room & laminar flow workspace
 - Machine Shop, Additive Manufacturing (DLS)
 - Property Management, shipping and receiving area, and a climate controlled bonded storage.
 - Manufacturing Work Order Process
- Electrical Manufacturing
 - Electrical Assembly Technicians
 - PWA assembly laboratory where circuit boards can be processed, assembled, cleaned and conformal-coated.
 - Trained and certified to NASA 8739 standards
 - Inclusive of Harness, cable design, development & Test

ZIN Technologies Inc.

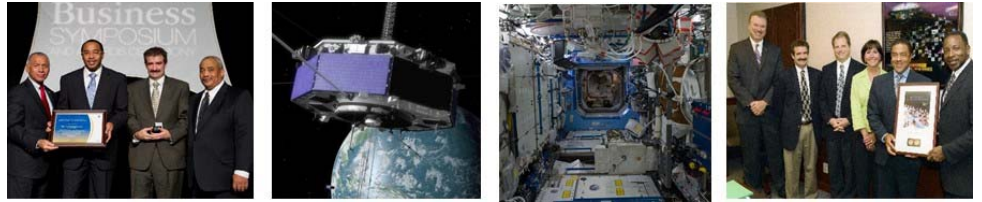
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Founded in 1957, ZIN provides multidisciplinary engineering services to NASA and the aerospace industry and has managed the development of space flight and ground system hardware (aerospace/space systems) from formulation, design, and development through to fabrication, integration, testing, verification, and mission operations.

Our experience includes the development and validation of new technologies (sensors, inertial navigational measurement units (IMUs), composites, advanced acoustic resonant attenuation, optics, power, additive manufacturing and wireless/RF), ISS research investigations, space launch systems (Orion, commercial crew/resupply), satellite (IMU) accelerometer systems, and space based human research projects enabling future space and science missions.



Focus on Quality - Certified and Compliant with Industry and Government Quality Standards



ZIN Technologies, Inc. is an experienced developer of ground and flight systems for manned and unmanned aerospace applications. Marking history for almost five decades, we have provided integrated hardware and software development products and services to NASA, DoD and Fortune 500 companies.

OUR PRODUCTS & SERVICES

	SPACE SYSTEMS INTEGRATION & OPERATIONS		MANUFACTURED PRODUCTS		ADDITIVE MANUFACTURING
	ENGINEERING & TECHNICAL SERVICES		HARDWARE & SOFTWARE DEVELOPMENT		HUMAN HEALTH & MEDICAL DEVICES

Research & Technology

Systems Concepts

Systems Design & Analysis

Engineering & Manufacturing

Systems Assembly

Systems Integration & Test

Management & Mission Operations

Logistics & Sustainment

- Minority Owned-SDB
- AS9100C certified
- Experienced Team of scientists, engineers, designers, and technicians
- DCAA Approved Forward Pricing
- Headquartered Cleveland Ohio
- Award Winning Capabilities

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