

A cosmic background featuring a starry field with a prominent blue and purple nebula. Several celestial bodies are visible, including a crescent moon on the left, a small planet in the upper center, and a large, detailed reddish-brown planet (Mars) on the right side of the frame.

**NASA/MARSHALL SPACE
FLIGHT CENTER**

JOINT COUNSELING SESSION

September 28, 2017

IronMountain Solutions

Background

COMPANY NAME:	IronMountain Solutions	ADDRESS:	7047 Old Madison Pike, Suite 350. Huntsville, AL 35806
OWNER:	Hank Isenberg	CONTACT NAME:	Don Cooper
EMAIL:	Hank.Isenberg@ironmountainsolutions.com	YEARS IN BUSINESS:	10 Years
CAGE CODE:	4PM50	DUNS NUMBER:	792518164
WEB SITE:	www.ironmountainsolutions.com	NAICS CODES:	336412, 336413, 541330, 541511, 541512, 541513, 541611, 541712, 561110

Business Size & Classifications

TOTAL EMPLOYEES:	130
AVERAGE SALES:	\$20M

CLASSIFICATIONS (select from list below):	Yes/No
SMALL BUSINESS	Yes
SMALL DISADVANTAGED BUSINESS	No
NATIVE AMERICAN-OWNED	No
ALASKAN NATIVE CORPORATION	No
WOMEN OWNED	No
ECONOMICALLY DISADVANTAGED WOMEN OWNED	No
VETERAN-OWNED	No
SERVICE DISABLED VETERAN OWNED	Yes
HUBZONE CERTIFIED	No
8(A) CERTIFIED	No
8(A) EXPIRATION DATE (if applicable)	No

Quality Systems

Engineering

- Utilize ASME best practices while designing mechanical structures
- Create schematics, load analysis, PCB layout, and harness design using IEEE best practices
- Program in multiple computer languages utilizing IEEE best practices
- Follow INCOSE standards for Systems Engineering

Engineering Drawings

- Maintain drawings utilizing ASME Y14 Drawing Practices
- Create drawings utilizing GD&T Standards

Building and Inspection

- Create Wire Harness following IPC/WHMA-A-620C guidelines
- Assemble Electronics using IPC-A-610 guidelines
- Inspection of products using MIL-HDBK-522
- Inspection of products using IPC guidelines
- Built and fielded over 1000 Cable harnesses
- Built and fielded over 500 Line Replaceable Units (LRUs)

Project/Program Management

- Operate projects under PMP best practices
- Utilize PgMP guidelines to accomplish multiple projects
- Train new leadership from within our organization

Managing Finances

- Accounting system design determined compliant with FAR 53.209-1(f), Pre-award Survey of Accounting Systems completed by DCAA in January 2017.
- Accounting system compliant with Generally Accepted Accounting Principles (GAAP).
- 10 yr. old, financially stable, profitable company, with available credit line for quick ramp-up.

Managing Contracts

- Senior Contracts Staff has over 66 years of Federal and Commercial Contract Administration experience from “cradle to grave”
- Follows established internal practices to administer multiple contract types: Time and Material (T&M) or Firm Fixed Price (FFP) or Cost Plus Fixed Fee (CPFF),
- Experienced performance performing as either Prime Contractor or Subcontractor

Skills & Processes

Hardware Engineering

- SolidWorks Modeling Structural Analysis – Static Strength / Stress / 3D CAD modeling
- Hardware Prototyping / Electrical, Mechanical Design / Circuit Card Layout / Breadboard Development
- Hardware Requirements Development / Definition
- Proof of Principle Manufacturing / Integration
- Hardware Test and Evaluation / Proof of Principle Verification
- Digital Flexible Engine Diagnostic System (DFEDS) CAB Design / Integration
- FEDS Calibration, Correlation, Repair and Maintenance
- Dynamometer Warning System Redesign (FEDS)
- System Integration and Test/ Hardware-in-the-Loop / Acceptance Test Procedures
- On-site Calibration and Correlation of Data Acquisition Systems
- ECU / DECU Test Box Design / Manufacturing / Environmental Testing / Technical Design Packages (TDPs)
- Creation of Technical Design Packages (TDP) / Technical Publications Updates

Software Engineering

- FACE Open Architecture Standards Development
- Real-Time Embedded Code
- Data Acquisition and Control
- Software Requirements Development / Definition
- Missile Defense Agency (MDA) Software Engineering Support
- TPY-2 RADAR and Sensor Software Engineering
- Interface Control Document (ICD) Definition
- Data Acquisition / Programming / Algorithm Design
- Cradle-to-Grave Real-Time Embedded System Development
- Software Revision Control and Tracking
- Graphical User Interface Windows / Linux / LabView
- Network Integration Evaluation Coordination
- Fixed Wing Utility Aircraft, CEASAR, and Night Eagle Program Integration

Skills & Processes (Cont.)

Systems Engineering

- Serve as delegated Airworthiness authority for US Army aircraft
- Provide Army Airworthiness interface with the FAA and other Services
- Provide a Rapid Response Initiative Manager (RRIM) co-located in the AMRDEC Prototype Integration Facility (PIF)
- Serve as Army Aviation Engineering Support Activity (ESA) for Critical Safety Item (CSI), Critical Application Item (CAI), and other source controlled parts
- Assess Capability of Foreign Military Airworthiness Authorities (MAA)
- Review Civil, Military and International Airworthiness Standards
- Manage Aviation Condition Based Maintenance (CBM) Effort
- Prepare and Sustain Design and Airworthiness Standards
- Prepare and Maintain Aeronautical Design Standards (ADSs)
- Design Review / Analysis (Structural, Electrical, Human Factors, Performance, Flight Controls)
- Requirements Traceability and Specification Definition
- Model Based System Engineering (MBSE)
- Analysis of Lessons Learned
- Airworthiness Release (AWR) Coordination
- User Requirements Coordination
- Configuration Management (CM) / Data Management (DM) Support / Drawing Review and Approval
- Engineering Change Order (ECP) / Specification Change Notice (SCN) Coordination, Review and Approval
- T700-700, 701C, 701D, ITE Engine Requirements Definition / Engine Design Review / Analysis Review

Skills & Processes (Cont.)

Cyber Security

- DFARS 252.204-7012: Safeguarding Covered Defense Information and Cyber Incident Reporting Compliance and Third-Party Assessments
- National Institute of Standards and Technology (NIST) Assessments
- Risk Management Framework (RMF) Assessment and Authorization
- Department of Defense (DoD) Information Assurance Certification and Accreditation Process (DIACAP)
- Cybersecurity Vulnerability / Risk Assessments / Data Protection
- Information Security Architecture and Engineering
- Enterprise Information Technology Data Repository (EITDR) Management and Reporting
- Business Continuity of Operations (COOP) / Disaster Recovery Planning (DRP)
- Army Training and Certification Tracking System (ATCTS / Cybersecurity Training
- Cybersecurity Technology and Tool Evaluation
- Penetration Testing / Database Vulnerability Analysis
- Cybersecurity Planning and Continuous Monitoring
- Software Scanning / Programming/Scripting
- Defense Federal Acquisition Regulation Supplement (DFARS) 252.204-7012: Safeguarding Covered Defense Information and Cyber Incident Reporting
- Physical Site Inspection and Evaluation / Industrial Security / Operations Security

Skills & Processes (Cont.)

Program Management

- Development of Acquisition Plan (AP) Documents and Strategies
- Development of Justification & Approval (J&A) Documents
- Development of Market Research Report Documents
- Market Analysis to Support Material Development Decision (MDD)
- Support of Material Solution Analysis of Alternatives (AoA)
- Support Development of Cost Benefit Analyses (C-BA)
- Manage Defense Property Accountability System (DPAS) Database
- Property Book Unit Supply Enhanced (PBUSE) and Material Disposal
- Fleet Fielding / User Support / After Action Reviews (AAR)
- System Safety Working Group (SYSWG) Support
- ASAM, AMAM, AMIM, SoF Messages, AWIS Review and Support
- Manage Kits and Configuration for all Air Warrior Platforms
- Manage Avionics, Airframe and Nonstandard Modification Projects
- Full Life Cycle Cost Initiatives and Process Improvements
- Business and Program Analysis Support

Test and Evaluation

- Test and Evaluation Management / Planning / Witnessing
- Interoperability Certification Test Coordination
- Turboshaft Engine Testing / Test Stand Design / R&D
- Terminal High Altitude Aerial Defense (THAAD) Flight Test Engineering Support
- HWIL / SWIL Test Planning and Execution
- Formal Qualification Test Management and Support

Customers

Prime Contracts

- Project Manager, Utility Helicopters Technical
- Project Manager, Apache Attack Helicopter Technical
- Aviation Engineering Directorate (AED), Utility Division Technical

Support Contracts

- AED Aviation Systems Multi-Platform Division
- Project Manager, Future Vertical Lift / Improved Turbine Engine
- Utility Helicopters Project Office, Logistics Division
- Army Research, Development and Engineering Command, Engineering Support Directorate
- Redstone Test Center RAPTR
- Corpus Christi Army Depot
- PM Aviation Ground Support Equipment
- Software Engineering Directorate
- Terminal High Altitude Area Defense
- Project Manager, Air Traffic Control
- Prototype Integration Facility
- Project Manager, Air Warrior

Principle Point(s) of Contact

NAME	TITLE	PHONE	EMAIL
Joe Andrzejewski	Senior Vice President	256-509-1056	joeski@imsinc.us
Don Cooper	Director of Strategic Solutions	256-444-5674	don.cooper@imsinc.us
Mike Busbey	Business Development Manager	256-653-8343	mike.busbey@imsinc.us
Stephanie Jattuso	Vice President Contracts	256-783-4405	Stephanie.Jattuso@imsinc.us