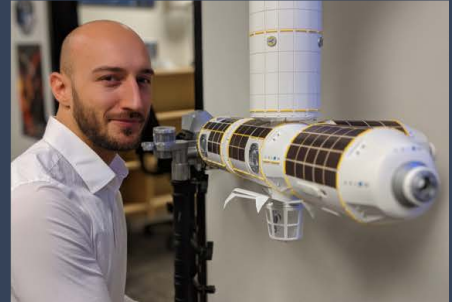
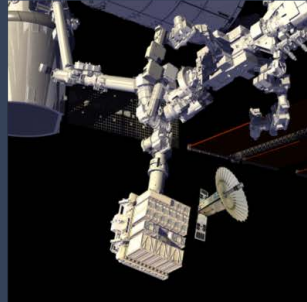




IRON RING TECHNOLOGIES

Capability Statement



SBA CERTIFIED HUBZONE SMALL BUSINESS

Company Description:

Iron Ring Technologies, LLC is an SBA Certified HUBZone Small Business and CASIS Implementation Partner providing turn-key engineering and design services for high-technology industry sectors.

Technical Expertise:

- Mechanical design and optimization including flow and stress analysis
- 3D printing with metals and plastics
- Systems engineering and integration
- Life support system development
- Test design and execution
- Payload integration and operations
- Automation and control systems

The Iron Ring Advantage:

With small size and expert knowledge, we offer efficient, turn-key solutions from proposal development through product delivery and operations. Strategic hiring gives our customers access to the finest talent capable of developing and operating critical hardware, all carefully curated for HUBZone compliance.

Recent Projects and Capabilities:

- 3D metal printing and post-processing with EOS-290s, CNC Machining, and other common shop machinery
- International Space Station biological flight experiments, rack experiments, and EVA tool development
- Test stand development for propulsion systems, animal research, and EVA suits
- Mock-up / prototype design and builds from 1:100 scale to full scale
- Stress analysis for AMS thermal upgrade and engine test hardware
- Space suit design and flow modeling for advanced life support equipment
- DDT&E for cryogenic / UHV, high-pressure oxygen, and JSC Class 1 pressure systems
- Proposal strategy and development for active and pending projects from \$300k to >\$100M contract value (CRAVE II, REMIS, CLPS, and associated TO's)
- Production quality modeling and rendering visualizations of satellite deployment system
- LabVIEW setup and programming for test stands and flight hardware

NAICS Codes:

- 541330 (Primary) - Engineering Services
- 541340 - Drafting Services
- 541618 - Management Consulting
- 541690 - Technical Consulting
- 336419 - Space Vehicle Part Manufacturing
- 541712 - R&D for Physical, Engineering, and Life Sciences

Clients and Affiliations:



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Let's Get Started

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