

Pittsburgh IAP Air Reserve Station

Coraopolis, Pennsylvania | Breathing Air System, Air Shower, HDPS, Paint & Blast Booth Installation



PROJECT OVERVIEW

VES completed a comprehensive upgrade at the Pittsburgh IAP Air Reserve Station to support the bed-down of C-17 aircraft and the reorganization of the Fabrication Flight. The project included installation of a new breathing air system to support three operators, a NIOSH approved personnel air shower, a High-Density Particle Separation system, facility modifications, and installation of new paint and blast booth systems.

VES also provided Dust Migration Mapping (DMM™) services to help identify, monitor, and mitigate dust migration throughout the facility.

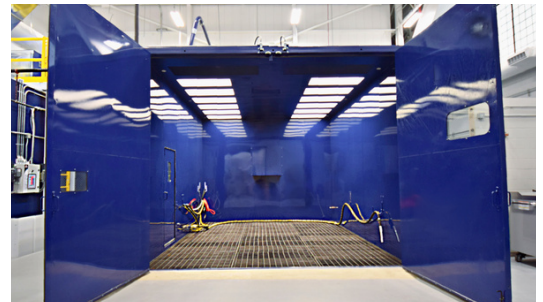
All systems were installed, tested, commissioned, and supported with operator training to help ensure safe, efficient, and fully functional aircraft maintenance operations.

EQUIPMENT SUPPLIED

- New breathing air system for three operators
- NIOSH compliant personnel air shower
- 14'W x 15'H x 32'L paint booth
- 15'W x 12'H x 20'L blast booth
- Breathing air purifier with CO₂ monitoring
- 240-gallon ASME vertical receiver
- HEPA and pre-filtration systems
- Dust collection and ventilation ducting
- Fire suppression integration
- Electrical controls, lighting, and utility connections
- Dust Migration Mapping services
- Precision-Drive media control valves

PROJECT HIGHLIGHTS

- Supports C-17 aircraft maintenance operations
- Breathing air system provides OSHA Grade D air
- NIOSH approved air shower for personnel safety
- Paint and blast booths installed, commissioned, and tested
- Facility modifications completed to support new equipment
- Dust migration monitoring performed over one year
- Up to 36 sampling locations per DMM™ event
- Real-time site surveys with portable CHEM™ sensor
- Systems installed to meet OSHA, NEC, and Air Force standards
- Operator training provided after commissioning



Contract Date:
September 2020



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