

Superfuge Test Facility

- Provides combined environment (acceleration & vibration) test capability that is critical to the qualification of missile-based weapon systems
- Key Performance Parameters
 - Indoor Centrifuge
 - Dynamic capacity: 1,600,000 g-lb
 - Maximum payload: 16,000 lbs
 - Maximum angular velocity: 175 RPM
 - Maximum acceleration: 300g
 - Outdoor Centrifuge
 - Dynamic capacity: 450,000 g-lb
 - Maximum payload: 10,000 lbs
 - Maximum angular velocity: 150 RPM
 - Maximum acceleration: 270g
- Test Capability Revitalization Improvements
 - Addition of high-bay workspace
 - Addition of offices, restrooms and showers
 - Refurbished instrumentation capability for both centrifuges
 - Addition of an equipment lift in indoor centrifuge sub-pit
 - Installation of fire protection systems
 - Replaced HVAC, electrical and hydraulic distribution systems
 - Refurbished outdoor centrifuge test arena
 - Correction of numerous other site deficiencies
- Concurrent Readiness in Technical Base and Facilities (RTBF) Improvements
 - Remanufacturing of main hydraulic drive pumps
 - Remanufacturing of main hydraulic drive motors
 - Increase braking system performance
 - Control system modifications

Indoor Centrifuge – 29 foot radius



Outdoor Centrifuge – 35 foot radius