The Aerospace Structures Complex, located in Decatur, Alabama, is a new capability in North Alabama supporting the development and structural qualification testing of large aerospace structures. The complex has three facilities: Test Stand 1, Test Control Center, and the Hardware Integration Facility.

The **TEST STAND** is 60 feet long, 60 feet wide, and 100 feet high with the capability to host 35 tons. It will support structural qualification testing.

The **HARDWARE INTEGRATION FACILITY** allows for the assembly of the large aerospace structures and houses test cells. Within the 43,000 square foot facility, the integration high bay is 15,000 square feet.

The **TEST CONTROL CENTER** offers customers the capability to view tests and analyze real-time data onsite.

**Major Programs**

**Universal Launch Alliance Vulcan Centaur Booster**
Vulcan Centaur’s qualification booster will be tested at the complex. Dynetics will put the hardware through comprehensive testing above actual flight loads to verify the structural integrity of the booster and the design.

**NASA SLS Universal Stage Adapter**
Dynetics is the prime contractor for the Universal Stage Adapter, which will be developed in the Tennessee Valley. The substructure parts will be integrated and assembled with the composite panels at the complex. The USA will fly on the evolvable Space Launch System and will integrate the Exploration Upper Stage (EUS) to the Orion crew module while providing structural, electrical, and communication paths.