



Redstone Test Center



Subsystem Testing

RTC has a broad expanse of knowledge testing subsystems for aviation, missiles and sensors. Our workforce specializes in rapidly developing test instrumentation, set-ups and processes to support our customer's unique requirements. Our subsystem knowledge and test capabilities is often combined with our environmental capabilities to provide testing of assets while in extreme environments.

Some of our regular testing includes microwave and millimeter wave radar assemblies, subassemblies and components. We often test avionics, processors, and aviation subassemblies. And RTC's expertise in testing missile seekers, guidance systems, and control systems can be traced back to the early days of Army tactical missiles.

Customized test equipment developed internally at RTC, to include missile and aviation test sets, are used throughout a systems life-cycle and all over the world.

By providing both expertise in testing, test equipment and in the systems we test, we maximize our customers' return on their funding.














Core Competencies

- Embedded and application software coding in LabVIEW, C, C++, C#.
- Programmable Logic development in VHDL and Verilog
- Printed Circuit Board design, fabrication, and testing.
- Test set design, fabrication, and support.
- Custom cable fabrication.
- Data collection and analysis in support of numerous missile and aviation systems.
- Subject matter expertise in RF reception and transmission.

Capability Highlight

RTC developed the Modernized HELLFIRE Universal Test Set to test all variants of all-up-round HELLFIRE missiles. MHUTS are used regularly at the HELLFIRE Production Facility; the Anniston Army Depot, on Surveillance Test Vans; and at Climatic and Dynamic test facilities at RTC. MHUTS includes the ability to stimulate SAL and MMW seekers and is currently being adapted to support the upcoming dual-mode missile.

Test Sets

	 Production Plant	 Environmental Test Facility	 Test Lab	 Flight Range
HELLFIRE 	4	5	6	-
Javelin 	-	3	3	1
Stinger 	-	-	1	-
	 Surveillance	 Depot	 Marines	
HELLFIRE 	4	4	-	
Javelin 	2	-	2	
Stinger 	1	-	-	