Aerospace and Defense Systems Team

Specialized engineers delivering integrated, customized and comprehensive test and measurement solutions
A Keysight Organization Focused on Aerospace Defense Solutions

Keysight’s AD Systems Team

Keysight Technologies, Inc. leads the industry in the development of new and advanced measurement methodologies and techniques.

Serving multiple markets for decades, including all aerospace and defense prime contractors as well as the Department of Defense, the AD Systems team combines extensive experience with high volume manufacturing test of commercial products and in-depth knowledge of the high performance needs of the AD industry resulting in optimized test solutions.

Keysight’s Aerospace and Defense Systems Team (AD Systems Team), brings this leadership experience to each customer engagement. The AD Systems Team, a specialized group of measurement experts and consultant engineers, apply comprehensive analysis and problem-solving techniques to complex measurement challenges that cannot be addressed with off-the-shelf solutions or legacy measurement techniques.

Leveraging the expertise of the world’s leading measurement company, the AD Systems Team’s custom-tailored solutions deliver optimized test performance, lower costs, and faster deployment speed that may be unachievable in-house or through some third-party systems integrators.

When to Consider the AD Systems Team

- When your organization lacks the available time or capabilities to meet new measurement requirements
- When existing measurement capabilities do not meet new or changing quality and performance requirements
- When you must reduce operational and program costs, and shorten schedules
- When project specific efforts (one device type, one hardware vendor, one test lifecycle stage, one-size-fits-all) prevent comprehensively understanding and improving test and measurement
- When you cannot wait months to move from concept to solution

What the AD Systems Team Can Achieve for You

Every situation is unique, so every AD Systems Team solution is customized. Across the breadth of the AD Systems Team’s projects, typical results emerge

- Measuring parameters that previously were difficult or impossible to gauge
- Applying state-of-the-art measurement technologies, thereby bringing new awareness and knowledge to in-house test organizations
- Moving test solutions into production faster than expected, e.g. weeks instead of months
- Achieving unprecedented reductions in engineering and test development costs
- Realizing new efficiencies by upgrading outmoded and costly-to-maintain legacy systems

More than ever, aerospace and defense companies must lower costs, accelerate test deployment, and reduce risk, all while simultaneously maintaining a high level of mission readiness. Particularly with complex measurement needs, one-size-fits-all products and legacy processes can easily fall short.

Turn to a specialized team of experts — an extension of your team — to translate your unique requirements into a high-performance, fully integrated, and repeatable test and measurement solution.

- Average of 20+ years experience in advanced test and measurement technologies
- Experienced bringing commercial best practices to aerospace/defense — lowering your costs and accelerating deployment
- An industry expert in world-class RF/microwave measurement sciences, both hardware and software
The AD Systems Team’s Comprehensive Process

Complexities understood, inefficiencies exposed, opportunities seized

Based on a sound understanding of measurement science, the AD Systems Team begins with a comprehensive requirements review, to understand

- What needs to be measured?
- What broader measurement problems must be solved?
- What results must be achieved?
- What interdependencies obstruct those results?

The AD Systems Team examines all elements influencing the lifecycle, such as

- The present business situation and funding profile
- How test requirements must evolve over time
- Need for compatibility with existing/common designs and Test Program Software
- Cross-organizational dynamics (distributed teams, multiple business objectives)
- Design verification and repair (in addition to Development, LRIP & Volume)
- Realities for building, purchasing, verifying, and deploying the solution
- How well the test solution meets supportability goals
- And much more

The AD Systems Team studies the entire test needs lifecycle to develop a solution that meets your specific requirements

Learn more at: www.keysight.com

For more information on Keysight Technologies’ products, applications or services, please contact your local Keysight office. The complete list is available at:
www.keysight.com/find/contactus