

Corporate Background

The mission of APT Research, Inc. is to provide state-of-the-art services to our customers in our areas of specialty. Customer satisfaction is our paramount goal. To achieve this, we have tailored an organization around our specialties. Employee ownership provides a shared culture that motivates employees to bring together the key components of success.

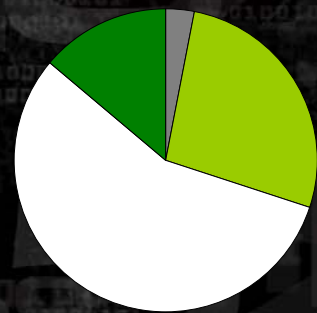
Our reputation for providing customers with the requisite experience, training, analysis, tools and answers has resulted in a healthy and controlled growth. Each year new customers ask for our services, and existing customers continue their support. We are grateful to these customers for our successes.

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Contact Us

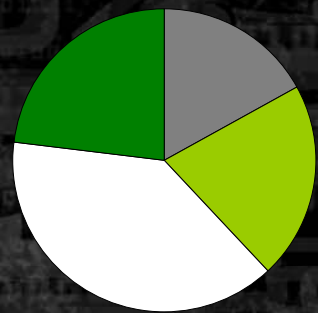
APT Research, Inc.
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Experience and Professionalism



Employee Education

- PhD
- Masters
- Bachelors
- Co-op/Student



Employee Experience

- Over 30 years
- 20-30 years
- 10-20 years
- 0-10 years

Customers

- | | | |
|---|------------------------------------|--|
| Air Force Safety Center | Lockheed Martin | Scott AMC |
| AMCOM Safety Office | LOGSA | Shannon Explosives, Inc. |
| AMRDEC Software Engineering Directorate | Marine Corps System Command | STEPAL |
| ARDEC | NASA Safety Training Center | Ultratec |
| ASSE | NASA Plumbrook | U.S. Army Technical Center for Explosives Safety |
| Corps of Engineers | NAVAIR | U.S. Coast Guard |
| Chemical Safety Board | Naval Surface Warfare Center – IHD | USASMDC Safety Office |
| DoD Explosives Safety Board | MDA/QS | USMC Blount Island Command |
| Eastern Test Range | PMRF | White Sands Missile Range |
| Engineering Analysis, Inc. | Raytheon | Yuma Proving Ground |
| FAA | RBESCT | 45th Space Wing |
| Institute of Makers of Explosives | RCC Risk Committee | |
| iRobot | Redstone Test Center | |

APT Research, Inc.

Providing Safe Solutions For...

- System Safety
- Flight Test Planning
- System/Risk Analysis
- Range Safety
- Software System Safety
- Standards Development
- Explosives Safety
- Software Development and Modeling
- Industrial and Quality Engineering
- Logistics
- Safety Training

System Safety

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APT's System Safety capabilities include developing and performing system safety analyses and programs, performing and reviewing hazard analyses, preparing reliability and fault tree analyses, developing and maintaining hazard tracking systems, and conducting system safety training.

Flight Test Planning

Alice Correa 256.327.4003
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APT's Flight Test Planning capabilities include test requirements traceability, test program feasibility, trajectory/scenario development, and national range UDS document development.

Risk Analysis

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Quantitative Risk Analyses are developed in support of systems, ranges, and explosives safety.

Range Safety

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APT's Range Safety capabilities include quantitative risk assessment of flight and ground safety hazards, collision avoidance and spacecraft debris risks, range safety system evaluation, user flight termination system design/performance assessment, independent assessment of range safety issues, vehicle breakup modeling for destruct and intercept debris, hazardous procedures validation, evaluation of safety/quality procedures, and vehicle malfunction and safety system reliability assessment.

Software System Safety

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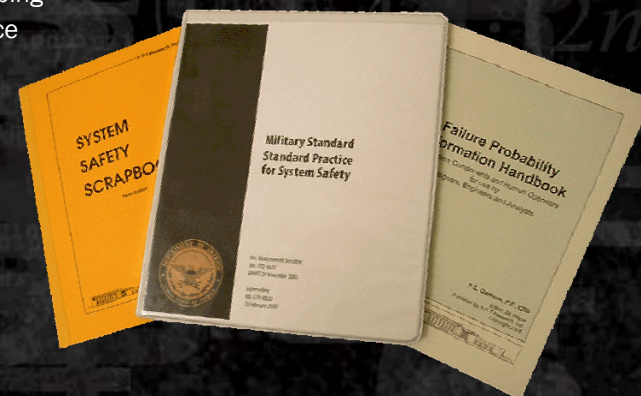
APT's Software System Safety capabilities include planning and implementation of software system safety programs, performing and evaluating hazard analyses, secretariat support for software system safety working groups, performing independent software safety assessments, planning and Implementation of software safety metrics programs, and conducting software system safety training.

Standards Development

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APT has assisted safety organizations in developing concisely written safety standards at the installation, organization, and national levels including RCC standards, DoD standards, and NATO procedures.

APT has also assisted in developing multiple regulations at the service and installation levels.



Explosives Safety

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APT provides Planning and Support, Explosives Testing, Final Hazard Classifications, Interim Hazard Classification Support, Insensitive Munitions/Final Hazard Classification Test Plan Development, Explosives Site Plan Development/Support, Insensitive Munitions Support, and Site Analyses using the APT-developed software tools, IMESAFR, Safety Assessment for Explosives Risk (SAFER©) and Analysis of Death and Injuries Resulting from Explosions (DIRE©).



Software Development & Modeling

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APT develops software using documented processes based on SEI CMM. User friendly tools developed by APT include Range Test Scheduling System, Safety Assessment for Explosives Risk, Ground Risk Model, Debris Risk Assessment, and DIRE (Analysis of Death and Injuries Resulting from Explosions to provide personnel protection). Other capabilities include test planning, flight dynamics, and software verification and validation.



Industrial & Quality Engineering

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APT provides solutions for issues related to product and process design, quality, production planning, and reliability.

APT engineers apply state-of-the-art analytical tools to assist our customers with innovative solutions to satisfy their production and quality needs.



Logistics

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APT provides Industrial & Quality Engineering support for the analysis of global supply chains and distribution systems. APT develops metrics to monitor the forward and retrograde movement of materiel and to identify bottlenecks impeding the flow of goods. The APT process improvement philosophy considers the entire supply chain to ensure proposed solutions are feasible, cost-effective, and will achieve the expected results.

Training

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APT offers professional training at the Safety Engineering & Analysis Center in System Safety, Software System Safety, Quantitative Risk Assessment, Flight Safety, and Explosives Safety.