

# APT BACKGROUND

*Over 25 years of Providing Safe Solutions*

A-P-T Research, Inc. (Analysis, Planning, Test Research, or "APT") is an employee-owned, small business based in Cummings Research Park, Huntsville, Alabama. APT provides professional engineering services in a variety of disciplines including systems engineering, risk assessment and analysis, test planning, range safety, system safety, software system safety, explosives safety, industrial and quality engineering, quality assurance, mission assurance, Independent Verification and Validation (IV&V), software development and modeling, and related areas. APT currently supports more than 50 customers of which approximately 40 are Government agencies. Our personnel are owners and each shares in the commitment to APT's corporate mission of continually providing state-of-the-art expertise and ensuring the highest level of customer satisfaction.

*"APT personnel are performing at the highest standards. All of your employees are performing in an outstanding manner." – YPG Customer*

On July 12, 2010, APT obtained ISO 9001:2008 certification from TÜVRheinland. In 2016, APT obtained recertification under ISO 9001:2015, certificate number 74 300 3366, which reads: "APT has established and maintains a quality management system for the Delivery of products and engineering services for safety, quality, mission assurance, testing, analysis, hardware prototyping and training on a global basis to Government and industrial organizations."

APT has customers and/or employees in Huntsville, AL; Tucson, AZ; Edwards AFB; Vandenburg AFB; Washington, DC; Fort Walton, FL; Jacksonville, FL; Orlando, FL; Patrick AFB and Kennedy Space Center; ASSE, IL; Indian Head, MD; Dover, NJ; Albuquerque, NM; WSMR; NASA-PB, OH; WPAFB, OH; McAlester, OK; NSTC, TX; Quantico, VA; Hill AFB; UK, Israel, Canada, and Singapore.



## Capabilities

- System Safety
- Mission Assurance
- Flight Test Planning
- Range Safety
- Risk Assessment
- Standards Development
- Explosives Safety Testing
- Explosives Quantitative Risk Assessments
- Software System Safety
- Software Development and Modeling
- Industrial and Quality Engineering
- Mission Safety and Engineering
- Training





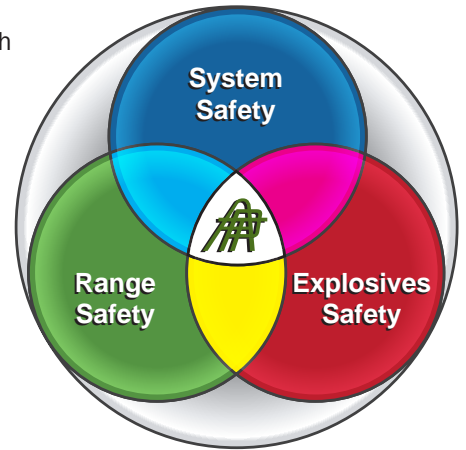
In 2004, the Safety Engineering and Analysis Center (SEAC) was formed as a division of A-P-T Research, Inc. As an APT Division, the SEAC supports all aspects of safety engineering with emphasis on three overlapping disciplines: system safety, range safety, and explosives safety.

Each of these three disciplines contains elements that are unique to it alone. Each also has elements that are common among the others, including risk management and risk assessment. The SEAC mission fosters proper practice in safety engineering, in particular within these three disciplines.

The SEAC is a collaboration of experienced practitioners. A strong motivating force behind the SEAC was Pat Clemens, who joined APT in 2004. Pat was widely recognized as a mentor of system safety and brought the insight of over 50 years of experience. He also contributed the system safety course material, which he had compiled in teaching system safety to over 2,000 practitioners prior to joining APT.

The mission of the SEAC centers on proper practice of safety engineering. To accomplish this, SEAC personnel provide analytical services, prepare special analyses including quantitative risk assessments, develop new methods, draft safety engineering standards, build software models, conduct safety training, serve as expert witnesses, participate in special studies, support accident investigations, perform third-party reviews, and conduct testing.

*“Thanks to everyone for your superior performance across all aspects of our safety mission. These awards are an outstanding accomplishment recognizing your tremendous efforts in these vital areas of safety. I continue to be humbled by your dedication, devotion, passion and expertise!” – 45th Space Wing Customer*



#### APT Points of Contact

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