



PICATINNY EFFECTIVENESS AND NEW COUNTERMEASURE EVALUATION (PENCE) LABORATORY

LABORATORY INFORMATION FACT SHEET

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The Picatinny Effectiveness and New Countermeasure Evaluation (PENCE) Lab provides the US Army with a unique capability to perform digital and hardware based modeling and simulation (M&S) of various expendable counter-measure (CM) designs launched off of rotary and fixed wing aircraft against threat missiles and measure their effectiveness for aircraft and crew survivability.

TECHNOLOGY/FACILITY DESCRIPTION:

This 4700 sq ft facility has been upgraded to expand classified working area as well as add a significant upgrade to the hardware-in-the-loop modeling and simulation capability. The addition of a 1500 sq ft high bay allows consolidation of pyrotechnics test and evaluation assets under one roof. The facility has been accredited for classified IT processing.



EQUIPMENT AND EXPERTISE AVAILABLE:

- State of the art computer hardware and software that can simulate end-to-end aircraft/threat engagements through threat fly out
- Assess the effectiveness of current and developmental expendable decoy design candidates against fielded and advanced guided missile systems
- Decrease developments cost and time by reducing the amount of design iterations/candidates required to be evaluated in testing validation phase in order to develop decoy designs and deployment patterns