

Future of aircraft survivability solutions

Smart D²™ system

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BAE SYSTEMS

Today's intelligence to counter tomorrow's threats

Smart D² system

It is not only smart, but vital to think ahead in the air-based threat environment. Current systems lack the automation, communication capabilities, and overall intelligence that the Smart D² system has to stay ahead of emerging threats and threat variants. It combines smart inventory management with a database compiled of the appropriate payload, quantity, and dispensing intervals to efficiently counter any opponent.



An AH-64E equipped with the Smart D² system expends flares to defeat a threat in the battlespace.

Smart, integrated system

The Smart D² system receives information about incoming threats that are detected by the aircraft's threat warning systems. Using this information, it decides which smart expendable to reprogram for a tailored defeat. The detection, declaration, and type of expendables used are agnostic to the crew – working with both legacy and cutting-edge smart flares, radio-frequency decoys, and hard kill interceptors.

Aircraft survivability

The Smart D² system provides improved capability and confidence to the crew, so they can focus on the mission at hand. Cohesive communications and automatic, proactive inventory management enable these crews to

have greater confidence to take on each mission with their undivided attention. The system monitors the quantity, location, and lifespan of each expendable, ensuring that when the time is right, this integrated system will perform – maximizing aircraft survivability and bringing the warfighter back home safely.

Legacy technology

The Smart D² system integrates with existing warning systems, including the widely deployed Common Missile Warning System (CMWS) on both fixed- and rotary-wing aircraft. It builds on the battle-proven ALE-47 Airborne Countermeasures Dispenser System – the trusted system of choice for aircraft and aircrew survivability for the U.S. armed forces and international allies.

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