LEONARDO ELECTRONICS



BriteCloud

Expendable Active Decoy

Protecting what Matters Most, BriteCloud provides immediate enhancements to platform survivability

BriteCloud is the world's first Digital Radio Frequency Memory (DRFM) Expendable Active Decoy (EAD), delivering advanced protection for fast-jet, fixed-wing platforms and their crews against an evolving range of airborne and surface-based radar-guided threats.

Designed as an off-board capability, BriteCloud avoids the 'home-on-jam' vulnerabilities inherent to traditional on-board ECM solutions. Once dispensed, its advanced DRFM jammer rapidly disrupts an incoming missile's RF tracking system, generating a large miss distance and drawing the threat safely away from the aircraft.

Integration by Design

The system is cost effective and exceptionally easy to field: BriteCloud fits into standard chaff and flare dispensers, requiring no aircraft modifications and enabling rapid, low-risk integration across a wide range of platforms. It is available in two variants—the BriteCloud 218, and the BriteCloud 55-T, - providing broad compatibility across both fast-jet and large fixed-wing fleets.

Innovating for Tomorrow

BriteCloud is designed to defeat both current and future threats, and its mission-reprogrammable architecture allows rapid optimisation against emerging threat profiles. It is highly effective at denying and disrupting radar target tracking, supporting both pre-emptive and reactive deployment.

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Proven Combat Ready Solution

Proven through over a decade of rigorous trials worldwide, BriteCloud's performance has been validated by Leonardo's electronic warfare specialists working closely with UK and allied defence forces, confirming its full operational capability in demanding mission environments on multiple platforms; Gripen, F-16, F35, Typhoon. This mature technology delivers reliable performance when seconds matter most.

Give your platform the best possible protection with EWOS. Our world class provision includes:

- → Threat Vulnerability Analysis and Countermeasure Development (TVACD)
- → Comprehensive training packages
- → Simple programming
- → Data and configuration management tools
- → Sovereign capability development

Key Features

- → Self-contained battery powered Expendable Active RF Decoy
- → Significantly lower procurement cost than equivalent TRD technology
- → Easy to integrate, uses existing dispensers
- → Zero sustainment or maintenance costs
- → Provides ability for either pre-emptive or reactive threat counters
- → Antenna provides all round coverage

Technical Specification

Frequency band	H-J
Size	BC55T 55mm diameter, BC218 2 inch x 1 inch x 8 inch
Weight of round	BC55T 1.1kg, BC218 0.5kg

Variants

→ BC55T



→ BC218





For more information:
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