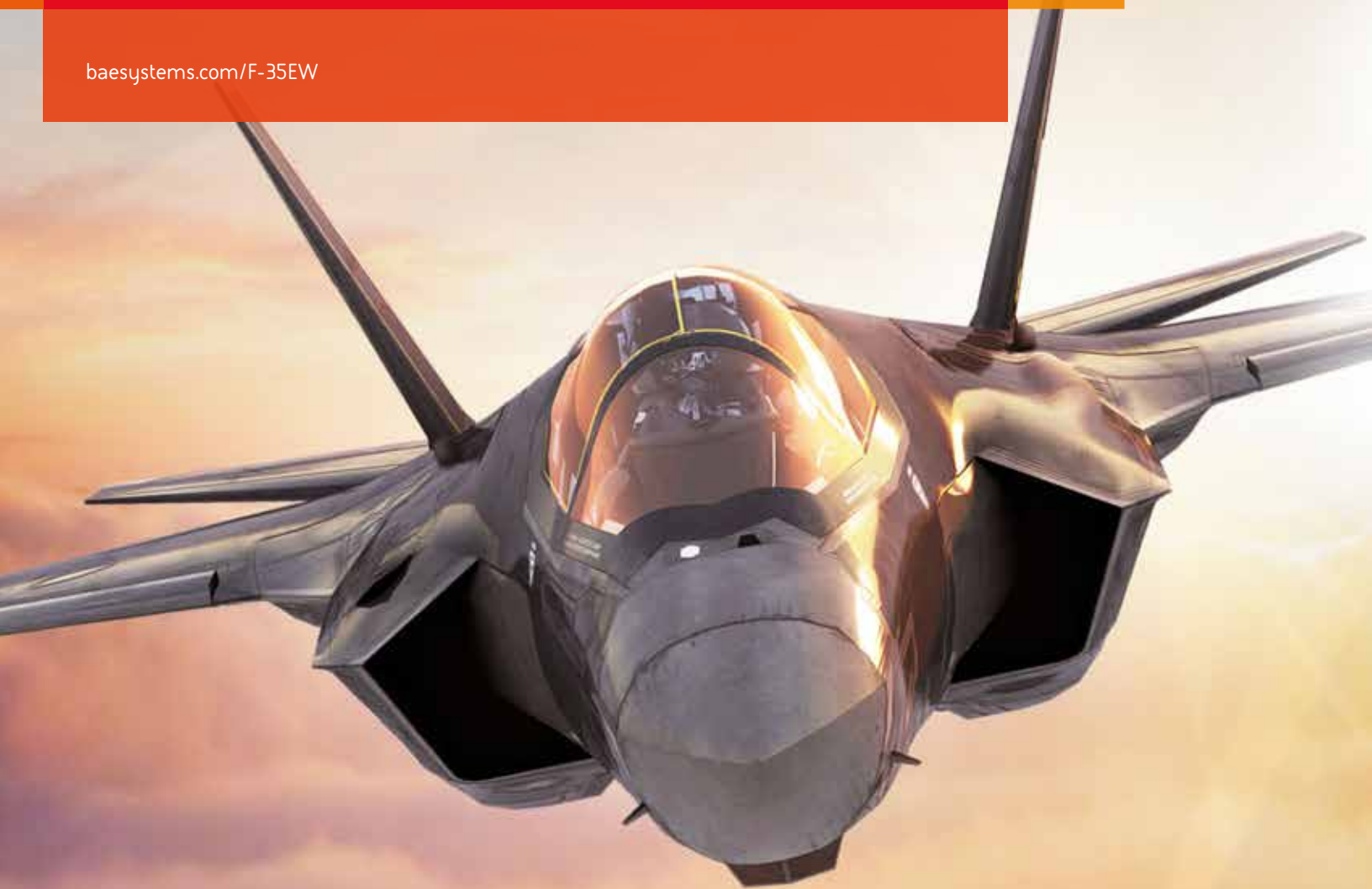


Fully-integrated digital electronic warfare system for the battlespace of today and tomorrow

AN/ASQ-239 Electronic warfare/countermeasure system

baesystems.com/F-35EW



BAE SYSTEMS



Key features and benefits

- Offensive and defensive digital electronic warfare capabilities increase situational awareness for a 360-degree view of the battlespace
- Modular, scalable, open-system architecture reduces long-term life cycle costs to keep the aircraft fielded
- Fully-integrated system provides broadband radar warning, target support, and geolocation
- Multispectral, radio frequency and infrared countermeasures provides rapid response capabilities to protect the aircrew
- Simultaneous jamming without interfering with radar and radar warning receiver allows the aircraft to reach well-defended targets, even in signal-dense environments



Aperture



Rack 2A



Rack 2B



Countermeasures Controller (CMC)



Radio Frequency Countermeasures Canister



Infrared Countermeasures Dispensers

Enhances **survivability** and mission capability – now and into the future

AN/ASQ-239 electronic warfare suite

The AN/ASQ-239 system protects the F-35 with advanced technology for next generation missions to counter current and emerging threats. Equipped with offensive and defensive electronic warfare options for the pilot and aircraft, the suite provides fully integrated radar warning, targeting support, and self-protection, to detect and defeat surface and airborne threats.

How it works

The AN/ASQ-239 system collects and processes electromagnetic energy to capture a 360-degree aerial field of view to provide a comprehensive picture of the battlespace. This provides the pilot with maximum situational awareness, helping to identify, monitor, analyze, and rapidly respond to potential threats.

Using advanced avionics and sensors, the systems takes this a step further by detecting and geo-locating electronic emitters to give pilots the option to evade, engage, counter or jam threats.

Experience

Built on a foundation of more than 60 years of experience, BAE Systems has emerged as the world leader in electronic warfare, flying systems on more than 80 platforms. Unsurpassed in the field across the electromagnetic spectrum, our state-of-the-art technology maximizes mission survivability for the warfighter, providing end-to-end capabilities to counter current and emerging threats. Innovating to meet the future needs of the warfighter, BAE Systems has produced more than 10,000 tactical electronic warfare systems.

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