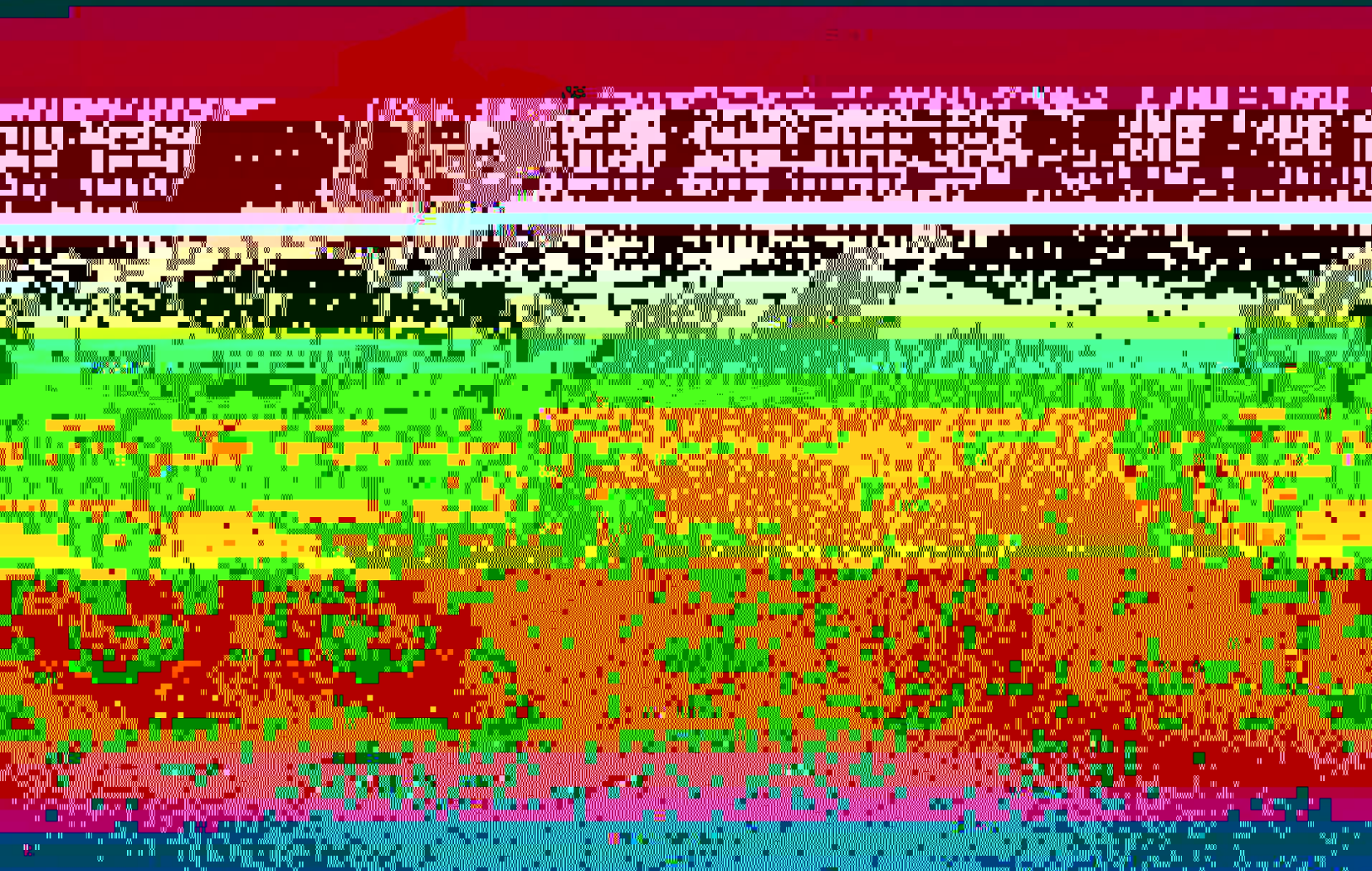


# Sentinel A/.



# The Lockheed Martin Sentinel A4

A Real, Threat-Based Mission Node that addresses today's and tomorrow's emerging Air, RAM and Cruise Missile threats

Seamlessly Evolves with the Operational Environment to address constant changes in radar technology to provide a modular, scalable architecture

Mature, Low-Risk Technology: State-of-the-Art Digital Architecture with Gallium Nitride (GaN) transmitter technology, distributed architecture concepts, and advanced signal processing techniques

## The Environment

- Extreme Ionospheric Range
- Environmental Contaminants
- Complex Terrain
- Extreme Clutter
- Dense Electromagnetic Frequency Environment
- Difficult Jamming Conditions

## The Soldier

- Crew of 2 Soldiers
- Ease of Operations
- Easily Maintained
- Maximizes Automation

- Replaces Existing Sentinel AN/MPQ-64 Radars for the US Army
- Eliminates command channels [www.lockheedmartin.com/go/ram](http://www.lockheedmartin.com/go/ram)
- Provides improved Electronic Protection and Combat Identification for reduced engagement timelines
- Calculates RAM Point of Origin and Point of Impact
- 360 degree Hemispherical Coverage providing Fire Control Quality, Target Data
- Rapid Development: First Five (5) Systems Begin Testing in 2021

Lockheed Martin  
Rotary and Mission Systems  
1400 Street SE, Box 1300  
Washington, DC 20003  
<https://www.lockheedmartin.com/en-us/products/sentinel-a4.html>  
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