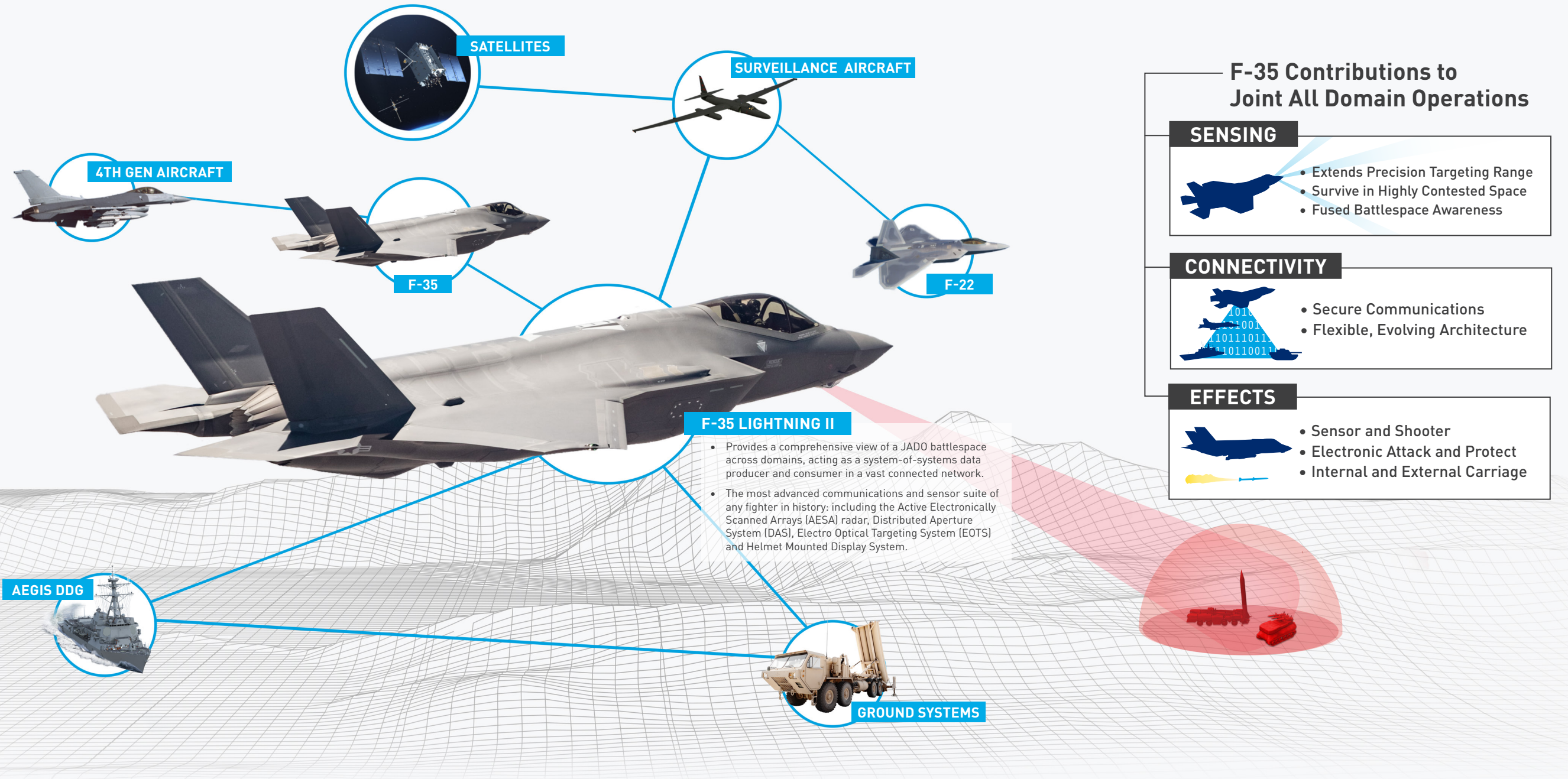


# F-35 Lightning II: The Most Advanced Node in the 21<sup>st</sup> Century Security

At Lockheed Martin our mission is to deliver seamless and secure integrated deterrence to our customers by providing advanced systems that serve as intelligent nodes in the networked battlespace and enable rapid and decisive action.



## F-35 Contributions to Joint All Domain Operations

**SENSING**

- Extends Precision Targeting Range
- Survive in Highly Contested Space
- Fused Battlespace Awareness

**CONNECTIVITY**

- Secure Communications
- Flexible, Evolving Architecture

**EFFECTS**

- Sensor and Shooter
- Electronic Attack and Protect
- Internal and External Carriage

- F-35 LIGHTNING II**
- Provides a comprehensive view of a JADO battlespace across domains, acting as a system-of-systems data producer and consumer in a vast connected network.
  - The most advanced communications and sensor suite of any fighter in history: including the Active Electronically Scanned Arrays (AESA) radar, Distributed Aperture System (DAS), Electro Optical Targeting System (EOTS) and Helmet Mounted Display System.

**2016**  
F-35 / NIFC-CA Live Fire Exercise

**2018**  
F-35 + HIMARS

**2019**  
F-35's Distributed Aperture System (DAS) Tracks Ballistic Missiles (March 2019)  
Orange Flag (June 2019)  
Orange Flag (Dec. 2019)

**2020**  
Project Convergence (Sept. 2020)  
Orange Flag (Sept. 2020)  
GatewayONE ABMS Demonstration (Dec 2020)

**2021**  
Project Convergence  
Talisman Sabre  
Flight Test 6, PAC-3 Integration  
Project Hydra  
Northern Edge