



F-35 Lightning II

Where We've Been, Where We Are and Where We Are Going...

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Negative Press Attracts Attention

- **“The F-35: A Weapon that Costs More than Australia”**
 - The Atlantic, 15 Mar 2011
- **“Putting the F-35 into production years before the first flight test was acquisition malpractice.”**
 - Sec Kendall, 6 Feb 2012
- **“How DoD’s \$1.5 Trillion F-35 Broke the Air Force”**
 - CNBC, 31 July 2014
- **“DOD to start test of F-35 helmet that won’t kill lighter pilots on ejection”**
 - ARS technica, 14 Mar 2016
- **F-35 is “a scandal and a tragedy”**
 - Sen McCain, 27 Apr 2016 (and 19 Sep 2013 and 5 Dec 2011)

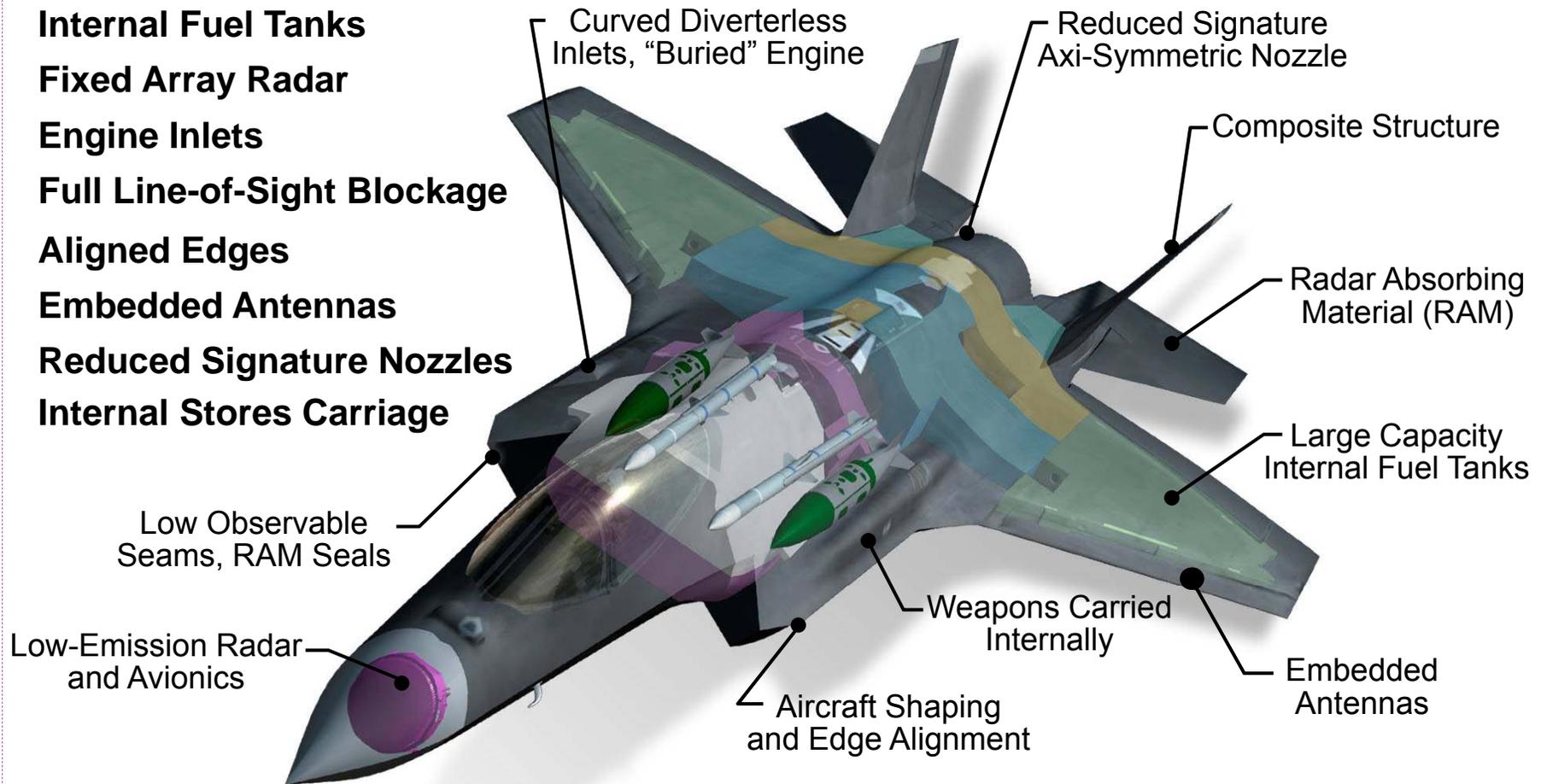


Myth Busters

- **F-35 is still experiencing schedule delays and cost overruns**
 - Major milestones on track; costs stabilized
- **F-35 has insurmountable technical problems / challenges**
 - Program has good track record of correcting technical issues / deficiencies
- **F-35's \$1 Trillion Life Cycle Cost estimate is meaningful**
 - Focused on reducing cost now, not on 60-year estimate
- **Other countries are losing faith in the F-35 program**
 - The F-35 international enterprise is strong
- **F-35 won't be as capable as legacy aircraft**
 - F-35 is a multi-role fighter with advanced stealth and speed to 1.6 Mach, agility and fully fused sensor data to provide first look, first shot, first kill capabilities in an environment not survivable by legacy fighters



Advanced Stealth Built In F-35 DNA

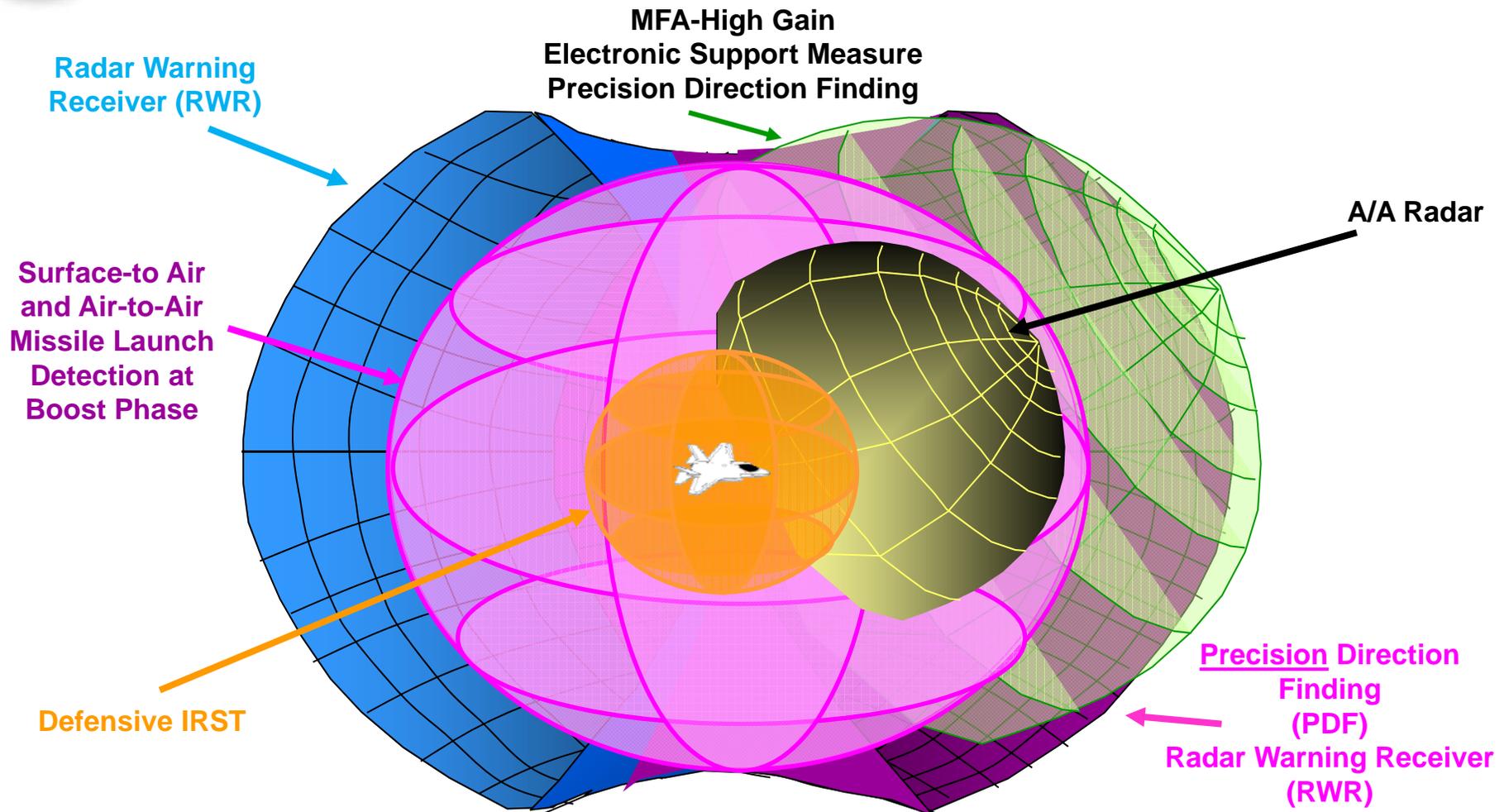


Low Observable Design Provides Access To High Threat Environments



Mission Effectiveness

F-35: A Flying Sensor



**F-35 Provides Fused Situational Awareness
Information/Data Presented in Single Battlespace Picture**



F-35 Full Warfighting Weapons (3F Capability)



F-35 Weapons Payload: 18,000 lbs. F-35 A and C Variants
15,000 lbs. F-35B Variant



Accomplishment in the Last 12 Months

• Development / Test

- Began Block 3F testing
- Completed all Block 2 testing
- F-35B Operational Test (OT-1) 1: USS WASP
- Completed first operational fleet (VMFA-121, Yuma) weapons drops
- F-35C Developmental Test (DT) 2: USS EISENHOWER
- Completed Block 3i Flight Test in support of USAF IOC

• Production

- 45 aircraft delivered in 2015
- 53 aircraft planned for delivery in 2016 (15 / 53)
- LRIP 7 deliveries completing (32 / 35)
- LRIP 8 deliveries underway (6 / 43)
- LRIP 9/10 negotiations nearing handshake

• Fielding / Sustainment

- First two simulators installed in the F-35 SIM facility (Nellis AFB)
- Started AF and Partner pilot training at Luke AFB
- USMC declared IOC
- First Hill AFB delivery, 12th aircraft later this month
- Implementation of FY16 Performance Based Logistics Contract
- OCONUS component repair RFI release to Partners

• International

- International graduates from pooled pilot training at Luke AFB -- Australia, Norway and Italy
- Certification testing of Italian (KC-767), UK (KC-30), Australian (KC-3A) and Dutch (KDC-10) tankers
- First Norwegian F-35A Delivery (Nov 15)
- Start of operations at Japanese FACO (Dec 15)
- Delivery of first F-35A from Italian FACO (Dec 15)
- First F-35 transoceanic flight (Italy) (Feb 16)
- First Turkey, Norway, & Korea site activation team visits
- Denmark government selected F-35 as F-16 replacement



F-35 Program Update

- **F-35 Program is transitioning, growing and accelerating**
 - Big development (\$50B) transitioning to leaner Follow-on Modernization
 - Production is growing
 - Fielding and sustainment accelerating
- **Weapons system design stabilizing; costs stable**
- **Good progress on all fronts...but challenges remain**
 - Autonomic Logistics Information System (ALIS)
 - Mission System Software
 - Aircraft Modifications (Concurrency)
 - Reprogramming Labs
- **Need to adopt better, more streamlined business processes to prepare for challenges ahead**
- **F-35 is big, complicated and sometimes messy**
 - Reality doesn't always match public perception





2016 / 2017 Look Ahead

Development

Developmental Test (DT) for F-35C
DT III for F-35B
Block 3F Verification and Mission Effectiveness Testing

Production

Award LRIPs 9 & 10
First FMS Aircraft Deliveries

Sustainment

F-35s appearing at RIAT and Farnborough
USAF IOC Declaration
USMC Squadron Homeport Change

International

First International Deployment to the Netherlands
Permanent basings of F-35s Overseas



Environment and Expectations

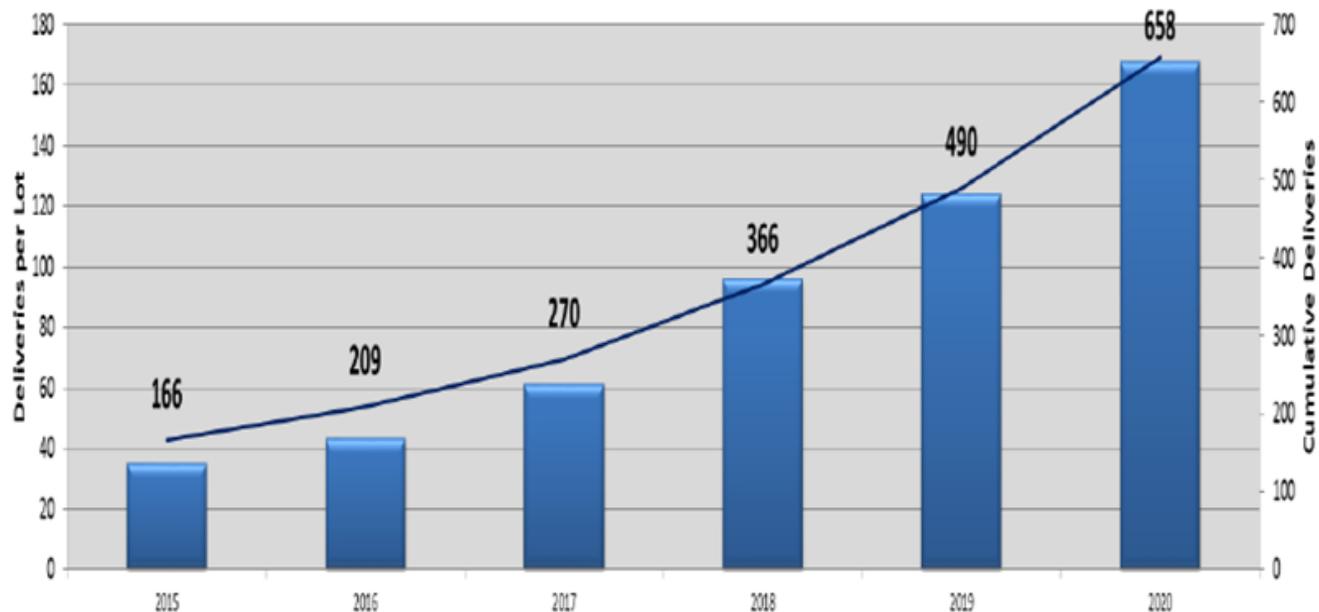
Between Today and 2020

- *Fleet Growing to 658 aircraft in 2020 ... 432% increase*
- *Standing up 12 additional bases ... 20 bases total*
- *Declaring 7 IOCs*

Customer's Desires and Concerns

- *Robust Global Support*
- *Consistent With PSFD MOU*
- *Satisfy Sovereign Requirements*
- *Guaranteed Performance – Best Value*

Fielded Aircraft

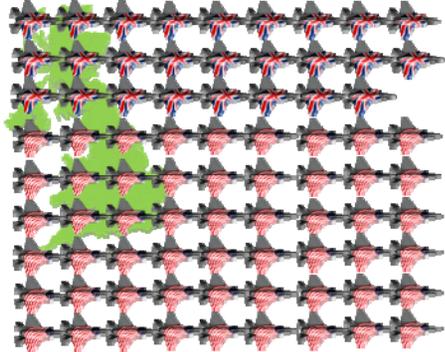




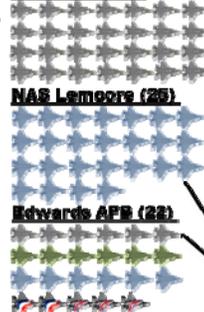
F-35 Bed Down Through 2022

Total: 1019   
F-35A F-35B F-35C

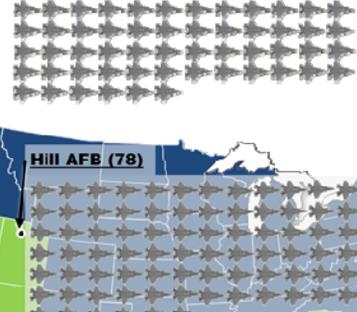
United Kingdom (80)



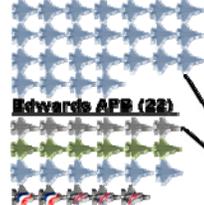
Nellis AFB (38)



Wicken AFB (84)



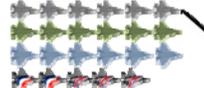
NAS Lemoore (25)



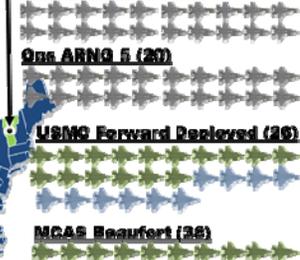
Hill AFB (78)



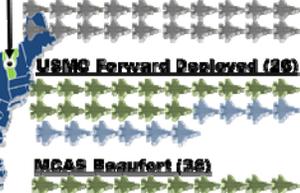
Edwards AFB (22)



Burlington ABNG (29)



Ops ABNG F (20)



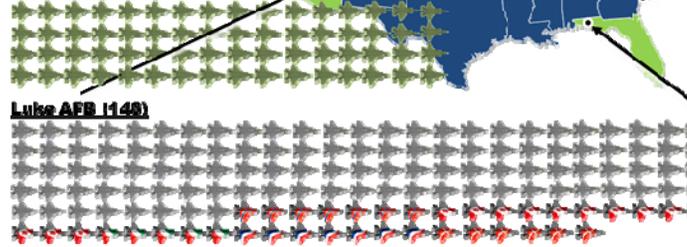
USMC Forward Deployed (20)



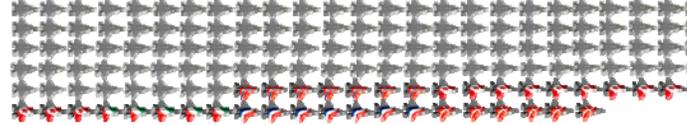
MCAS Beaufort (26)



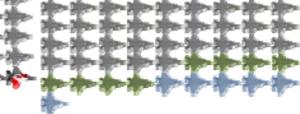
MCAS Yuma (64)



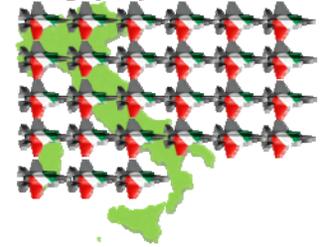
Luke AFB (148)



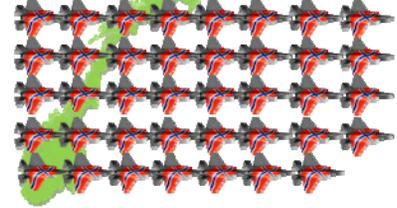
Naval AFB (46)



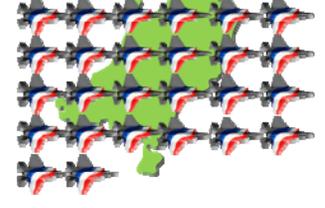
Italy (27)



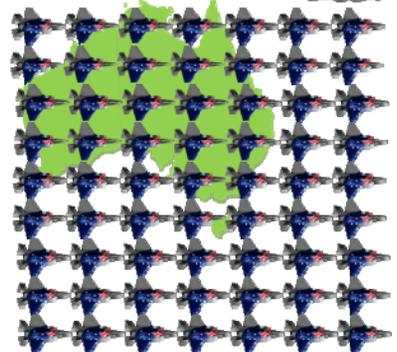
Norway (33)



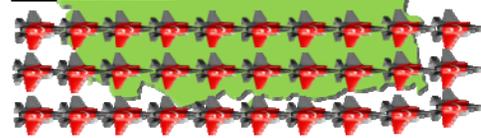
Netherlands (28)



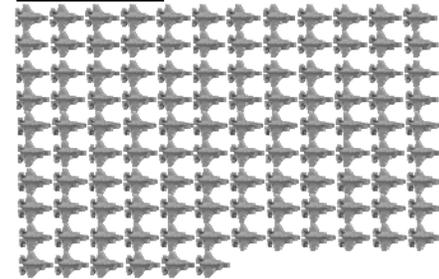
Australia (63)



Turkey (30)



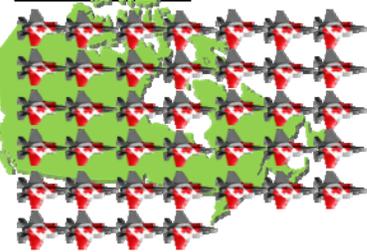
FMS (114)



Denmark (8)



Canada (39)





Questions?





Delivering the F-35 to the Warfighter

