



LOCKHEED MARTIN 
We never forget who we're working for®

F-22 Raptor
Air Dominance Achieved



Redefining Air Dominance

Ten miles up, 100 miles around. The F-22 introduces an entirely new level of fighter capabilities as it defends the skies. By integrating a wealth of different features – from stealth to supercruise – this 5th generation fighter redefines the meaning of air dominance.

Very Low Observable Stealth. VLO stealth enables the Raptor to operate 24/7 over hostile areas while remaining virtually undetected by enemy air or ground forces.

Supercruise Speeds. The Raptor's lethality and survivability are sharply enhanced by its ability to operate for extended periods at speeds greater than Mach 1.5 . . . without afterburners.

Extreme Fighter Agility. The F-22 brings an additional asymmetrical advantage by its superior aerodynamic performance and ability to outmaneuver opposing forces through acceleration and razor-sharp turns.

Information Fusion. With 360-degree battlespace awareness, F-22 pilots direct the fight by gathering intelligence, conducting surveillance, identifying threats and directing the attack.

Joint Force Enabler. The F-22 provides transformational capabilities that are essential to countering air-to-air threats and defeating integrated air defenses today and for the next 30 years. This, in turn, ensures safe and effective joint and coalition forces operations – starting on Day One of a conflict.



Demonstrated Operational Maturity

Collier Award-Winner. The F-22 Raptor has consistently delivered on its promise in all of its operational exercises. The fighter has demonstrated precision attack capabilities by defeating threats in the air and on the ground by combining its lethality and survivability tactics.

Operational Today. The Raptor is combat-ready for worldwide deployment. Two squadrons of F-22s are assigned to Air Combat Command's 1st Fighter Wing at Langley AFB, Va.; two squadrons are assigned to the 3rd Wing at Elmendorf AFB, Alaska; and one squadron is at Holloman AFB, N.M. Raptor pilots train at Tyndall AFB, Fla., while maintainers train at Sheppard AFB, Texas.

Operational testing. Conducted at Edwards AFB, Calif., with tactics development out of Nellis AFB, Nev. New F-22s continue to roll from the production line and will soon operate out of Hickam AFB, Hawaii.



Mission-Ready Sustainment

Reliability with assurance. That's what F-22 sustainment is all about. Lockheed Martin and our support team are the winners of the prestigious 2008 Contractor-Military Collaboration of the Year award for F-22 Sustainment and the U.S. Department of Defense 2008 Performance-Based Logistics System Level Award. We are committed to total support for the F-22 by providing higher readiness rates, more sorties, faster response and lower life-cycle cost to the customer. Our mature supplier base ensures the F-22 receives efficient support anywhere in the world and provides the fastest, most effective link between F-22 operator requirements and delivered capability.

Follow-on Agile Sustainment for the Raptor (FASTeR). FASTeR is a performance-based logistics contract and comprehensive weapons management program that provides the U.S. Air Force with a highly integrated support system including supply chain management, modifications and heavy maintenance, technical order distribution, sustaining engineering, training and direct field support to the warfighter. Recent successes during deployments and force-on-force exercises highlighted the ease of F-22 maintainability. Combining our experience as the original equipment manufacturer with the talent in the U.S. Air Force has proven to be a winning combination.



F-22 Raptor – Air Dominance Achieved Today and Tomorrow

The F-22 Raptor – More Than an Air-Dominance Fighter

The F-22 Raptor is more than an air-dominance fighter, defending freedom for America and its allies. The F-22 industrial base is a national asset of thousands of highly skilled workers and suppliers in 44 states who manufacture parts and subsystems for the Raptor.

Lockheed Martin is the program's principal systems integrator, in partnership with Boeing and Pratt & Whitney. Principal aircraft production activities take place at Lockheed Martin facilities in Marietta, Ga., Fort Worth, Texas, and Palmdale, Calif., as well as at

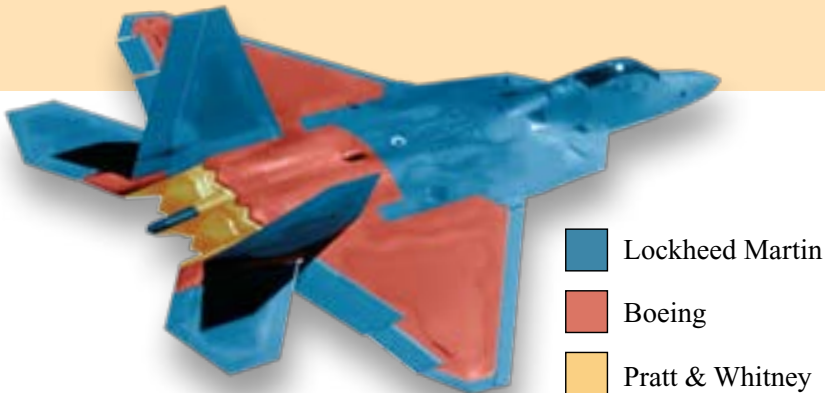
Boeing's plant in Seattle, Wash. Final assembly and initial flight testing of the Raptor occur at the Marietta factory.

Two F119 Pratt & Whitney engines, built in Middletown, Conn., power the F-22.

The F119 features a unique thrust-vectoring nozzle, integrated stealth characteristics and the capability to supercruise at Mach 1.5 without the use of afterburners.



The Power of Partnership



The F-22 team employs advanced tools and assembly methods in addition to highly accurate manufacturing machines to achieve affordability, quality and assembly speed.

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